

Market Progress Evaluation Report #2 Executive Summary

prepared by

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report #E06-156

June 21, 2006



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MARKET PROGRESS EVALUATION REPORT (MPER 2) FOR THE NORTHWEST ENERGY EFFICIENCY ALLIANCE'S ENERGY STAR® CONSUMER PRODUCTS PROGRAM

FINAL REPORT

Prepared for

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June 9, 2006

SECTION 1	EXE	ECUTIVE SUMMARY	1–1
	1.1	Project Description	1-1
	1.2	Market Progress	1–2
		1.2.1 Lighting Products	
		1.2.2 Clothes Washers	
	1.3	Project Update	1–4
		1.3.1 SWAT Promotion Feedback	1–4
		1.3.2 Clothes Washer Market Update	1–4
		1.3.3 Field Support Update	1–5
	1.4	Sales and Market Share Assessment	1–6
		1.4.1 Lighting	1–6
		1.4.2 Appliances	1–6
	1.5	Lighting Consumer Survey Results	1–7
		1.5.1 Major Shift in the Market	1–7
		1.5.2 SWAT Promotion's Effects	
		1.5.3 Regional Differences in Purchase and Awareness Rates	
		1.5.4 CFL Storage	
		1.5.5 Satisfaction with CFLs	
		1.5.6 CFL Purchase Motivations	
	1.6	Lighting Shelf Survey Results	
	1.0	1.6.1 Affordability	
		1.6.2 Availability	
		1.6.3 Diversity	
	1.7	Recommendations	1–10
		1.7.1 Sales and Market Share Tracking	1–10
		1.7.2 Future Project Focus	
		1.7.3 Future Evaluation Tracking	1–12
SECTION 2	INTE	RODUCTION	1
	2.1	Project Description	
		2.1.1 Market Progress Indicators	
	2.2	Evaluation Objectives and Approach	
	2.3	Report Organization	
	۷.3	Report Organization	0
SECTION 3	PRC	OJECT UPDATE	3–1
	3.1	Lighting Market Update	3–2
		3.1.1 SWAT Promotion	
		3.1.2 Coordination with Other, National Efforts	3–5

		3.1.3 Product Quality	3–5
		3.1.4 Market Barriers	
		3.1.5 CFL Fixtures	3–6
	3.2	Clothes Washer Market Update	3–6
	3.3	Field Support	3–10
		3.3.1 Retailers	3–10
		3.3.2 Utilities	3–11
SECTION 4	PR	ODUCT SALES AND MARKET SHARES	4–1
	4.1	CFL Sales and Market Shares	4–1
		4.1.1 CFL Sales Assessment	
		4.1.2 CFL Market Share	4–2
	4.2	Energy Star® Appliance Market Shares	4–3
	4.3	UHE Clothes Washer Market Shares	4-8
	4.4	Summary of Findings	4–8
SECTION 5	СО	NSUMER LIGHTING SURVEY RESULTS	5–1
	5.1	Introduction	5–1
	5.2	Analysis Approach	5–2
	5.3	CFL Awareness and Purchases	5–3
		5.3.1 CFL Purchaser and Awareness Categories	5–3
		5.3.2 How Consumers Became Aware of CFLs	
		5.3.3 When CFL Purchases Have Occurred	5–5
		5.3.4 Where CFLs Have Been Purchased	5–6
		5.3.5 Why Respondents Chose CFLs	
		5.3.6 General Purchaser Statistics	
	5.4	CFL Disposition	5–11
	5.5	Satisfaction with CFLs	5–12
		5.5.1 General Satisfaction	5–13
		5.5.2 Satisfaction with CFL Attributes	5–14
		5.5.3 CFL–CFL Replacement	
		5.5.4 Best Features of CFLs	5–17
	5.6	Future CFL Purchases	5–17
		5.6.1 Likely Future CFL Purchases Within a Year	5–18
		5.6.2 Barriers to Future CFL Purchases	
		5.6.3 Motivations for Future CFL Purchases by Non-Purchasers	
	5.7	Summary of Findings	5–24
SECTION 6	LIG	HTING SHELF SURVEY RESULTS	6–1
	6.1	Introduction	6–1

	6.2	Analy	sis Approach	6–1
	6.3	Afford	dability	6-2
		6.3.1	Twister Style Bulbs	6–3
		6.3.2	Non-Twister Style Bulbs	6–12
		6.3.3	Overall – Weighted by Shares of Twister versus Non-Twister	
			Sales	
		6.3.4	Sensitivity Analysis	
		6.3.5	Geographic Findings	
	6.4	Availa	ability	6–18
		6.4.1	Geographic Findings	6–21
	6.5	Divers	sity	6–22
		6.5.1	By Style	6–22
		6.5.2	By ENERGY STAR Label	
		6.5.3	By Wattage	6–25
		6.5.4	Geographic Findings	6–26
	6.6	Summ	nary of Findings	6–27
APPENDI	IX A CON	NSUME	ER LIGHTING SURVEY	A –1
APPENDI	IX B SHE	LF SU	JRVEY INSTRUMENT	B–1
APPENDI	IX C MAF	RKET /	ACTOR SURVEY INSTRUMENTS	C–1
V DDENIUI		LIECT	STAFF SURVEY INSTRUMENT	D 1
APPENDI	IX D PRO	JECI	STAFF SURVEY INSTRUMENT	D-1
APPENDI	XE CON	NSUME	ER LIGHTING SURVEY BANNER TABLES	E–1
APPENDI	IX F SHE	LF SU	IRVEY SAMPLE SIZE TABLES	F–1
LIST OF	TABLES			
	Table	3-1	Market Actor and Program Staff Interviews	3–1
	Table	3-2	Field Representative Visits to Retailer Stores by State	
	Table	3-3	Field Representative Visits to Utilities by State for the 9 Month	
			Period from 4-05 to 12-05	3–12
	Table	5-1	Linkage of Project Goals to Survey Topics	5-1
	Table	5-2	CFL Purchase Statistics, 2004 and 2005	
	Table	5-3	Storage of CFLs by Promotional Bulb Purchase	5–10
	Table		CEL Dulb Dynahaging Dahayiana by State	
		5-4	CFL Bulb Purchasing Behaviors by State	5–11
	Table	6-1	Twister Weights – Wattage and Price Category Assumptions	5–11 6–11
		6-1 6-2	· · · · · · · · · · · · · · · · · · ·	5–11 6–11 6–17

	Table F-2	Number of Stores and Bulb Models in the Sample – Twisters <18 watts	F_1
	Table F-3	Number of Stores and Bulb Models in the Sample – Twisters	1 -1
	140101	18-30 watts	F–1
	Table F-4	Number of Stores and Bulb Models in the Sample – Twisters	
		>30 watts	F–2
	Table F-5	Number of Stores and Bulb Models in the Sample – Non-	
		Twisters CFLs	F–2
	Table F-6	Number of Stores and Bulb Models in the Sample by Non-	
		Twisters Style	F-2
	Table F-7	Number of Stores in the Sample by Store Type by State	F–3
LIST OF F	IGURES		
		Consumer Awareness and Durchaser Categories 2004 and	
	Figure 5-1	Consumer Awareness and Purchaser Categories, 2004 and 2005	5 1
	Figure 5-2	CFL Awareness and Purchases, Fall of 2004	
	Figure 6-1	Average Number of Twister Models per Store Type: <18 Watts	
	Figure 6-2	Range of Twister Prices by Store Type: <18 Watts	
	Figure 6-3	Average Lowest, Medium and Highest Twister Prices by Store	0—4
	rigule 0-3	Type: <18 Watts	6.5
	Figure 6-4	Average Number of Twister Models per Store Type: 18-30	0-5
	riguic 0-4	Watts	6_7
	Figure 6-5	Range of Twister Prices by Store Type: 18-30 Watts	
	Figure 6-6	Average Lowest, Medium and Highest Twister Prices by Store	0 /
	riguic o o	Type: 18-30 Watts	6–7
	Figure 6-7	Average Number of Twister Models per Store Type: >30 Watts	
	Figure 6-8	Range of Twister Prices by Store Type: >30 Watts	
	Figure 6-9	Average Lowest, Medium and Highest Twister Prices by Store	0 0
	1150100	Type: >30 Watts	6–9
	Figure 6-10	Average Lowest, Medium and Highest Twister Prices by	
	8	Wattage Category – Sales Weighted	6–10
	Figure 6-11	Twister Prices – Sales Weighted*	
	Figure 6-12	Average Number of Non-Twister Models per Store Type	
	Figure 6-13	Range of Non-Twister Prices by Style	
	Figure 6-14	Average Non-Twister Price Paid by Store Type	
	Figure 6-15	Non-Twister Prices – Sales Weighted	
	Figure 6-16	CFL Price– Sales Weighted*	
	Figure 6-17	Average Minimum Price Paid by Consumers for Twisters (30-	
	J	watts or less) by Store Type*	6–18
	Figure 6-18	Allocation of Lighting Shelf Space by Store Type	
	Figure 6-19	Average Shelf Space Allocation by Store Type	
	Figure 6-20	Share of All Lighting Space Dedicated to CFLs by Store Type	

TABLE OF CONTENTS

Figure 6-21	Share of CFL Space Dedicated to ENERGY STAR CFLs by Store	
	Type	6–21
Figure 6-22	CFL Displays Per Store by State	6–22
Figure 6-23	Percentage of Stores that Carry CFLs by Style	6–23
Figure 6-24	Average Number of Models Stocked Per Store by Style	6–23
Figure 6-25	Average Number of Brands Stocked Per Store by Style	6–24
Figure 6-26	Percentage of Models with ENERGY STAR Label by Style	6–24
Figure 6-27	Percentage of Models by Wattage Category	6–25
Figure 6-28	Percentage of Stores that Carry CFLs by Wattage Category	6–25
Figure 6-29	Average Number of Models Stocked Per Store by Wattage	6–26
Figure 6-30	Average Number of Brands Stocked Per Store by Wattage	6–26
Figure 6-31	Percentage of Stores that Carry Various CFL Styles by State	6–27
Figure 6-32	Percentage of Models Stocked by State	6–27

1

EXECUTIVE SUMMARY

This document is the executive summary of the second Market Progress Evaluation Report (MPER2) for the Northwest Energy Efficiency Alliance's (Alliance) ENERGY STAR® Consumer Products project. The project officially launched in early 2004 and was recently extended through 2006. The report documents the results of evaluation activities conducted in the fall of 2005.

1.1 Project Description

Through this project, the Alliance is implementing a multi-pronged approach for targeted consumer products, with a particular focus on compact florescent lighting (CFL) products and the next generation of clothes washers—ultra-high-efficiency (UHE) clothes washers. The project includes a range of market-based activities focused on improving the quality and consumer acceptance of CFLs and generating increased awareness and market share of the higher efficiency clothes washers.

In 2005, the project launched the Savings with a Twist CFL promotion, which provided manufacturers with an upstream incentive to reduce the market price of CFLs in the region. Specifically, the Alliance worked with manufacturers and retailers to establish promotional distribution channels to move lower price products that met minimum light output standards and were PEARL tested into the market. The project also created new product delivery channels as well as new relationships between various market players. In total, 900 retail locations participated in the SWAT promotion.

The SWAT promotion launched on August 1, 2005 and officially ran through the end of December; however, retailers maintained promotional pricing and signage until they achieved full sell-through of the promoted bulbs, which was expected to run through February 2006 in some cases.

Also, in 2005, the project continued efforts to prime the market for the ENERGY STAR clothes washer specification change¹. The Alliance continued its "Best of the Best" program to showcase the highest efficiency machines. The "Best of the Best" concept was introduced during the Double Your Savings promotion in the spring of 2004 and later incorporated into promotional messaging for the Spring Into Savings program. In December of 2005, the promotion was heightened with the release of the "Best of the Best" promotional stickers for eligible clothes washers. Retailers (managers and salespeople) continue to be trained and provided with materials

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¹ Effective on January 1, 2007, the ENERGY STAR criteria for clothes washers will change from a minimum modified energy factor (MEF) of 1.42 cubic feet per kWh per cycle to MEF 1.72. In addition, the ENERGY STAR specification also includes a water efficiency metric as represented by a water factor (WF). The new ENERGY STAR specification for 2007 specifies that clothes washers cannot exceed 8.0 WF.

to familiarize themselves with the benefits of UHE clothes washers and the technicalities of the features that make a clothes washer UHE versus ENERGY STAR.

The "Best of the Best" is coupled with a coupon book that allows utilities to provide rebate offers to their customers. The coupon book covers all ENERGY STAR appliances. In some cases, manufacturers are interested in tying into the coupon book concept and perhaps matching utility rebates. Tiered rebates for UHE clothes washer purchasers continue and will be pursued in 2006 to continue to push the higher efficiency units.

1.2 MARKET PROGRESS

The project has established several market progress indicators that track success in meeting its goals. Progress toward these goals was assessed through evaluation efforts including interviews with program staff, consumers, retailers, and other market actors (Table 1-1). Findings related to these goals and associated market progress indicators are detailed below.

Table 1-1 Completed Interviews*

Interview Type	Completed Interviews
Program Staff	6
Lighting manufacturers (market actor)	4
Lighting retailers (market actor)	3
Clothes washer manufacturers (market actor)	4
Clothes washer retailer (market actor)	1
Industry organizations (market actor)	5
Consumer Lighting (purchaser survey)	560
Lighting Retailer (shelf survey)	73

^{*} Note that there is some overlap among market actor interviewees

1.2.1 Lighting Products

Goal: Increase CFL sales in the region.

• Market progress indicator: Increase CFL sales in the Northwest from 750,000 to 1 million annually from the 2004 level of 5.1 million, reaching total sales of 9 million per year by 2010. The project has exceeded its 2005 sales goal of 6.1 million CFLs, with approximately 6.8 million in CFL sales.

Goal: Increase CFL with CFL replacements to encourage persistence of CFL technology.

• **Market progress indicator**: Increase the rate that CFL purchasers report that they are likely to replace burnt out CFLs with CFLs from 75 to 80 percent. Continue to track the

overall CFL removal rate, which was 4 percent² of all CFLs installed in homes in 2004. The Alliance has met its goal of 80 percent of CFL purchasers being likely to replace their burnt out CFLs with new CFLs. The removal rate has held steady at 4 percent.

Goal: Increase availability, selection, and affordability of lighting products in smaller markets in the region.

• Market progress indicators: Change in retailer CFL availability, diversity and affordability and in consumers' perceptions of availability, diversity and affordability as barriers to purchase. There was an increase in the share of lighting space dedicated to CFLs and in the diversity of CFL models from spring 2005 to fall 2005. Likewise, lack of CFL diversity and availability is not presently a major barrier to future consumer CFL purchases. CFL prices declined from spring to fall in 2005 as well. If CFLs are available at \$2 or less, CFL price is not a barrier to future consumer purchases.

1.2.2 Clothes Washers

Goal: Maintain ENERGY STAR clothes washer market share.

• Market progress indicator: Maintain the Northwest's lead over the national average market share for ENERGY STAR clothes washers. The Alliance has met its ENERGY STAR clothes washer market share goal for 2005, with regional shares exceeding national shares by 10 percentage points (46 percent regionally versus 36 percent nationally).

Goal: Increase UHE clothes washer market share.

• Market progress indicator: Achieve annual market share for UHE clothes washers (modified energy factor >1.8) of at least 50 percent of all ENERGY STAR clothes washers by 2007. Although UHE market share data are not available region-wide, the sample of data that are available suggest that the project has met if not exceeded its goal and has achieved around 60 percent UHE clothes washer market shares.

Goals: Define target efficiency for UHE clothes washers and facilitate adoption of target efficiency as 2007 ENERGY STAR specification.

• Market progress indicator: Criteria used for the 2007 ENERGY STAR specification. In spite of Alliance efforts and the Consortium for Energy Efficiency's adoption of a target efficiency of a modified energy factor (MEF) of 1.8, the Department of Energy adopted an MEF of 1.72. The final ENERGY STAR specification will be effective in 2007. However, new tax credits are available to manufacturers on sales of ENERGY STAR machines that meet 2007 energy specification levels, starting on January 1, 2006.

² In MPER1, this percentage was stated as 3 percent of all CFLs across all purchaser homes with CFLs installed, which is a subset of purchaser homes.

1.3 PROJECT UPDATE

As mentioned above, in 2005, the Alliance launched the *Savings with a Twist* (SWAT) lighting promotion, and developed plans to address the new ENERGY STAR clothes washer standards. In addition, the Alliance continued to offer retailer and utility field support. Feedback on these major project activities, as gathered through project reports and interviews with project staff and market actors, is summarized below.

1.3.1 SWAT Promotion Feedback

- The promotion was designed to create new product delivery channels as well as new relationships between various market players. In total, 900 retail locations participated in the SWAT promotion.
- Manufacturers and retailers interviewed as part of this study felt the SWAT promotion led to increased customer awareness and willingness to purchase CFLs, and credited its success to the Alliance's field support.
- Several manufacturers and retailers expressed dissatisfaction with the retail price requirements imposed by the SWAT promotion. Project staff recommended raising the buydown price to add flexibility in retailer pricing.
- Tracking CFLs during the promotion was one of the most challenging components of the
 project. Project staff agreed that the CFL tracking process was intense and suggested
 creating mechanisms to encourage better compliance among participating manufacturers
 and retailers.
- Project staff noted that it was essential to maintain sufficient promotional lead-time to notify manufacturers, retailers, and utilities and work with them to sign onto future promotions and integrate the promotions into their schedules.

1.3.2 Clothes Washer Market Update

- The Alliance goes beyond ENERGY STAR to promote the "Best of the Best," a promotion designed to showcase the highest efficiency clothes washers. The "Best of the Best" concept was introduced during the Double Your Savings promotion in the spring of 2004.
- Some representatives of manufacturers and industry organizations, as well as the retailer
 we interviewed, feel the Alliance's promotion of the higher standard clothes washer
 models may cause customer confusion, but others feel this will be less of a problem.
- Manufacturers report that they are equipped to meet the 2007 ENERGY STAR specification change.

- According to the manufacturers and retailer we interviewed, first cost continues to be the
 most significant barrier to increased sales of high efficiency clothes washers, and the new
 ENERGY STAR specifications may result in high efficiency models being out-of-reach
 financially for most consumers.
- Other barriers reported by manufacturers include high-efficiency model availability, size and detergent requirements.
- Manufacturers feel that rebates are an important consideration for consumers when making purchasing decisions, but stress that rebates are not the *only* consideration.
- Manufacturers feel tiered rebates are somewhat of a double-edged sword the structure may cause confusion but the tiered levels can be effective at drawing attention to the highest efficiency models.
- Manufacturers expressed that combining energy efficiency rebates with water utility rebates could significantly reduce first cost barrier.
- Tax credits are likely to help push manufacturers toward higher production of ENERGY STAR models. Tax credits are limited, however, only to clothes washers manufactured in the United States.

1.3.3 Field Support Update

- In 2005, field services continued to be at the heart of the project and provided an
 opportunity to heavily market the SWAT promotion. During the promotion period, field
 staff worked closely with retail partners and manufacturers to monitor bulb supply and
 distribution channels.
- Because the 2005 project had adequate advance notice about the fall SWAT promotion, field staff focused summer activities on consumer products and shifted the majority of the field focus to lighting as the promotion picked up momentum.
- Field staff continued to visit the full range of stores with stronger focus in 2005 on smaller regional stores.
- Retailer field representative visits were significantly higher during the third and fourth quarter 2005 SWAT planning and implementation time period. Field staff made a total of 8,714 store visits in 2005 compared to 6,364 in 2004 or a 37 percent overall increase.

1.4 SALES AND MARKET SHARE ASSESSMENT

1.4.1 Lighting

The Alliance exceeded its CFL sales goals in 2005, with sales of nearly 6.8 million in the region. It is likely that the SWAT promotion contributed to the large increase in sales from 2004 to 2005, since the peak in the fourth quarter was much higher than previous years' peaks, which have coincided with utility, retailer and national ENERGY STAR program fall lighting promotions. A rough estimate of the portion of 2005 CFL sales that were attributable to SWAT based on prior trends in third and fourth quarter sales increases is 800,000 CFLs. Approximately 883,000 bulbs were sold through the SWAT promotion in 2005.

Estimated CFL market shares for the region were approximately 11 percent by the end of 2005, 7.7 percentage points higher than national market shares (3.3%). Since Northwest market shares were estimated using national non-CFL sales per capita (which are likely greater than those for the Northwest), Northwest market shares are likely even higher than 11 percent.

1.4.2 Appliances

The Alliance continues to lead the nation in ENERGY STAR market share for clothes washers, dishwashers and refrigerators. The region has dropped below the national market share for ENERGY STAR room air conditioners. The gap between national and Northwest market shares for ENERGY STAR refrigerators and dishwashers is only 6 percent. But the gap for clothes washers remains at approximately 10 percent. The Alliance has narrowed its focus in recent years on clothes washers, so that there are not specific project strategies targeted at the other appliances. Geographic differences in clothes washer market shares have narrowed due to a large increase in market shares for Montana from 2004 to 2005. However, shares in Idaho still lag behind those of the other states.

Data from Puget Sound Energy, the Oregon Department of Energy, and PacifiCorp, UHE clothes washer market shares (of ENERGY STAR clothes washer sales) range from 56 to 88 percent in 2005 – which means the project has likely met and possibly exceeded its goal of 50 percent market shares. Continuing efforts to promote the "Best of the Best" models (which include UHE clothes washers) and an increase in utilities offering tiered clothes washer rebates from 2004 to 2005 may have contributed to the increase in UHE clothes washer market shares.

1.5 LIGHTING CONSUMER SURVEY RESULTS

1.5.1 Major Shift in the Market

The Northwest consumer lighting market has experienced major change over a period of one year. Notable changes in the market that occurred from the fall of 2004 to the fall of 2005 include:

- The percent of consumers who have ever purchased a CFL has increased from 32 to 58 percent;
- The percentage of consumers that bought CFLs in 2005 was 37 percent, compared to 19 percent that bought them in 2004;
- The percentage of consumers that bought CFLs for the first time in 2005 was 18 percent, compared to 12 percent that bought them for the first time in 2004;
- The average number of CFLs purchased per household increased from 6 to 9 CFLs from 2004 to 2005;
- Awareness increased from 68 to 87 percent;
- Price paid per bulb decreased³; and
- Price is not a barrier to continued purchases for current CFL purchasers, as long as CFLs cost \$2 or less and current purchasers are aware of their cost.

1.5.2 SWAT Promotion's Effects

The Savings with a Twist promotion's effect on price likely contributed to the shift in the market from 2004 to 2005. The percentage of both first-time and repeat CFL purchases increased from 2004 to 2005. In 2004, the high price of CFLs was cited as a barrier by both non-purchasers and prior purchasers who were unlikely to buy them again. In 2005, the SWAT promotion got CFLs stocked in prominent locations in a wide variety of store locations region wide – and offered them for sale at low promotional prices (mostly 99 cents). It is likely that the promotion's low prices helped increase the rate of both first-time and repeat purchasers.

1.5.3 Regional Differences in Purchase and Awareness Rates

The rate of CFL awareness and purchase is now the same region-wide. From 2004 to 2005, the percentage of residents in Idaho and Montana that are aware and have purchased CFLs increased such that rates are now the same in all four Northwest states. Likewise, previous regional differences in drivers of and barriers to CFL purchase also no longer exist.

³ Consumer self-reported price data are unreliable. However, they are useful to determine order of magnitude of changes over time. The shelf survey data that are being collected as part of this project have been used to estimate change in price from 2004 to 2005.

1.5.4 CFL Storage

The higher volume of purchases did not lead to a drop in the reported CFL installation rate. The increase in CFL purchases per household has not had an effect on the incidence of CFL storage. Households that have purchased CFLs on average report storing 26 percent of all CFLs they have acquired over time – statistically unchanged from 25 percent in 2004. However, purchasers that bought CFLs during a promotion have higher storage rates (and a higher number of CFLs in storage) than non-promotion purchasers.

1.5.5 Satisfaction with CFLs

General satisfaction with CFLs, future CFL purchase intentions and CFL to CFL replacement intentions all improved slightly from 2004 to 2005.

1.5.6 CFL Purchase Motivations

Purchasers continue to cite energy savings and saving money as primary reasons for buying CFLs – while the fact that CFLs last longer than standard bulbs is cited most often as their "best feature". This finding suggests that the longer life of CFLs over standard bulbs could be promoted as a selling point.

1.5.7 Outlook for 2006

Increasing CFL purchases from 2005 levels depends on CFL promotions and prices in 2006. Over half (57%) of consumers say they will buy CFLs next year. Another 21 percent might also buy them, once aware of them and informed about their current market conditions. The actual purchase rate in 2006 will depend on what happens to CFL prices and availability in the new channels after promotions end and whether CFL awareness continues to increase. There is evidence from the 2005 survey that when CFLs are sold at low promotional prices, consumers will buy them even when they have concerns about them and are not all that motivated by their energy savings potential. This effect likely contributed to the substantial increase in the purchaser rate from 2004 to 2005, and to favorable purchase intentions for 2006. Nearly one-quarter of the population say they will not buy CFLs next year (or ever), regardless of price.

1.6 LIGHTING SHELF SURVEY RESULTS

1.6.1 Affordability

Based on sales-weighted shelf inventory data, the estimate of the average price paid by consumers for CFLs in the region in the fall of 2005 is around \$4. For twister-style CFLs, the estimate for less than 30-watt bulbs is \$2.75. Warehouse stores in particular charge just under \$2

for all their twister models. The lowest priced twister-style CFL model for the other stores averages between \$3 and \$4.

Prices for twister style CFLs dropped from \$4.30 in the spring of 2005 to \$3.50 in the fall – with SWAT likely influencing the drop in prices specifically for 18-30 watt twisters. The SWAT promotion focused on twisters at least 18 watts. Prior to the promotion (in the spring), twisters under 18-watts were offered at \$2 or less by stores within each store channel. In contrast, few 18-30 watt twister models were offered for \$2 or less before the promotion. By the fall, twisters under 18-watts were promoted by stores within each store channel for \$1 each – about the same as prices available during the SWAT promotion for 18-30 watt twisters. Since the promotion excluded twisters under 18-watts, it is likely that annual fall lighting promotions (sponsored by retailers, manufacturers, utilities and other stakeholders in coordination with the national Change a Light promotion) were responsible for the drop in price for these bulbs.

There is a wide range in price for non-twister style bulbs, from \$1 to \$40. This range varies by style, with specialty type CFLs (e.g., 3-way, dimmable, suited for specific applications) accounting for most of the higher priced models. There is not a lot of difference in the average-priced model across bulb styles or even store categories – with the exception of warehouse stores which only stock reflector CFLs and offer them at about \$4.

It is likely that the average CFL price paid by consumers was higher in Montana and Idaho in the spring of 2005 – based on an assumption of higher sales from channels dominated by independent retailers in those states. By fall 2005, many individual stores within those channels offered very low prices for CFLs and we speculate that average prices in Montana and Idaho probably approached those in Washington and Oregon. This conclusion is consistent with the rise in purchase rates for Montana and Idaho over the same period.

1.6.2 Availability

The proportion of total lighting shelf space dedicated to CFLs (and specifically to ENERGY STAR rated CFLs) did not change from spring to fall – but the proportion of CFL space to total lighting space increased. Retailers were likely making way for holiday promotions in the fall, causing a decrease in lighting displays in general.

Geographic differences that existed in the spring of 2005 with respect to CFL availability no longer existed by fall of 2005. In the spring, display space dedicated to CFLs in Idaho retailers was smaller than that of other states. By the fall, CFL diversity was about the same region wide.

⁴ Limitations exist when using shelf survey data as the basis of price estimates. Assumptions must be made regarding how often customers buy the lowest price bulb and to what extent do very low prices result in impulse and volume purchases. To increase the reliability of the estimates yielded by this method, sales data would need to be more detailed at both the store (particularly for non-big box retailer chains) and product level (e.g., by style and wattage category). Due to these limitations, CFL price estimates are probably biased upward.

1.6.3 Diversity

A wider range of twister models was available particularly at mass merchandisers in the fall (as compared to spring), and all stores expanded their selection of non-twister models. Retailers tend to promote lighting in the fall (since it is the lighting season), so it is unknown to what extent the SWAT promotion contributed to these changes.

Similar to availability results, geographic differences that existed in the spring of 2005 with respect to CFL diversity no longer existed by fall of 2005. In the spring, the diversity of CFL stock was less in Idaho and Montana. By the fall, CFL diversity in those states approached that of Washington and Oregon.

1.7 RECOMMENDATIONS

1.7.1 Sales and Market Share Tracking

Lighting and appliance secondary source market share data that are used by the project to track its market progress are becoming increasingly unreliable due to a drop in retailers' willingness to supply data. Collecting market share data can be costly (particularly for lighting) and requires a great deal of coordination and cooperation of stakeholders. The Alliance should look into working with other regions to support existing efforts and sponsor new initiatives to improve data availability and quality.

Likewise, collecting reliable CFL price data is one of the project's focuses in recent years in order to track market progress. This study leveraged CFL sales data and shelf inventory data to develop estimates of CFL prices. However, many limitations exist to this approach. Ideally, CFL price data could be provided by retailers along with CFL sales data – either via the CFL sales data collection that is conducted by the Alliance's project implementation subcontractor or in conjunction with national CFL market share tracking efforts (which rely on actual point-of-sale retailer data). However, with retailers less willing to provide data, this type of initiative will not necessarily be successful in the short-term. Instead, a broader initiative should be undertaken to improve the availability and reliability of sales and market share data that are used in many regions of the country to track progress of market transformation projects.

1.7.2 Future Project Focus

Regional Efforts

In 2005, a specific project focus on smaller markets, combined with utility efforts particularly in Montana, helped to close the gap in both consumer and supplier lighting markets. While additional efforts targeted to smaller markets may not be needed in 2006 since regional differences no longer exist, the Alliance might consider continuing 2005 efforts to sustain the gains made in the smaller markets.

There still remains a gap in clothes washer market shares in Idaho – while Montana has caught up to the other states. The Alliance might examine what helped close the gap in Montana from 2004 to 2005 (possibly a combination of utility and Alliance project efforts), and consider how those same efforts might be successful in Idaho in 2006.

CFL Marketing Messages

The project and other stakeholders in the region should continue to cite the energy and bill savings potential of CFLs when marketing CFLs to consumers. Likewise, the attribute that CFLs last longer than standard bulbs could be used to promote CFLs – since that was found to be the their best feature by current purchasers.

CFL Price

It is uncertain whether the market changes that occurred in 2005 will be sustained in 2006. The outlook for CFL sales in 2006 is in line with (or will exceed) project goals – but that outlook is based on consumers' experience in 2005, where CFLs were available for less than a \$1 at least in the fall. The Alliance's project implementation subcontractors stay in communication with lighting retailers and manufacturers, and should use that channel to determine whether prices will remain low in absence of an Alliance sponsored promotion. Such information could also be used to help shape another promotion if warranted.

CFL Products

The SWAT promotion specifically focused on twister style CFLs of 18 watts or greater because lesser watt bulbs do not supply enough light for the typical residential application. Evidence from this evaluation showed that prices of CFLs less than 18 watts were low during the fall – likely due to annual fall promotions sponsored by utilities, retailers and manufacturers and coordinated with the national Change a Light campaign. In absence of a 2006 promotion that focuses on 18 watt and higher CFLs, the incidence of sales of lesser watt bulbs may increase since that range of product will likely be cheaper in the fall. If the project does not sponsor another initiative, it should continue its collaboration with utilities, retailers and manufacturers and try to influence promotions on the higher wattage CFL category.

Likewise, specialty CFLs should be given some attention in the future. Currently, non-twister CFLs are fairly costly and not as widely available as twister style CFLs. As CFL saturations increase in the future, the Alliance may consider focusing on the market for specialty CFLs to ensure that CFL installations increase. The Alliance should be able to utilize upcoming results from the Residential Appliance Saturation Survey that is being conducted in the region to determine the extent to which non-specialty sockets are saturated, helping to forecast how soon the specialty market will require attention.

CFL Awareness and Education

This study showed that providing current information on CFLs to both purchasers and non-purchasers leads to substantial increases in intentions to purchase CFLs in the future. While

stated intentions do not necessarily translate into CFL sales, these results indicate that there may exist a gap in awareness and education among consumers. Certainly there are still consumers who have not heard of CFLs, but moreover there are consumers who are aware of them but are basing their opinions and behavior on outdated information.

The Alliance might consider expanding existing consumer awareness and educational messages (e.g., the Consumer Products consumer website, utility bill inserts and retailer marketing materials) to ensure that current information on CFLs is being delivered to a broad range of consumers.

UHE Clothes Washers

The project's efforts to promote the "Best of the Best" clothes washers (which include UHE clothes washers) and the increase in utilities that offer tiered clothes washer rebates likely contributed to the increase in UHE clothes washer market shares over the last few years. The project should continue its efforts to promote UHE clothes washers to market actors and to influence utilities in the region to offer tiered rebates. Continuing to educate retailers and staying in contact with manufacturers should help to minimize the threat of "marketplace confusion" relating to promotion of both ENERGY STAR and UHE clothes washers (which exceed the new ENERGY STAR standard), a concern voiced by clothes washer manufacturers.

1.7.3 Future Evaluation Tracking

The outlook for CFL sales in 2006 is positive, mostly based on market change that occurred in 2005. Whether those market changes will be sustained over time – with or without continued Alliance and utility initiatives – remains to be seen. The Alliance should continue to track consumer CFL purchase motivations and barriers in order to inform current and future project strategies to meet goals.

Likewise, the Alliance should specifically track the incidence of CFL storage, particularly for promotional purchases. While the storage rate stayed the same from 2004 to 2005, we found that promotional purchasers stored CFLs at a much higher rate than non-promotional purchases.

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INTRODUCTION

This document is the second Market Progress Evaluation Report (MPER2) for the Northwest Energy Efficiency Alliance's (Alliance) ENERGY STAR® Consumer Products project (project). The project officially launched in early 2004, and was recently extended through 2006. This report documents the results of evaluation activities conducted from the summer of 2005 to February 2006. A third MPER is planned to document the project's final accomplishments in early 2007.

2.1 PROJECT DESCRIPTION

The Alliance seeks to make affordable, energy-efficient products and services available in the marketplace. To that end, it supports projects targeted at the residential, commercial, industrial, and agricultural sectors in the Pacific Northwest. This report documents the results of an evaluation of the Alliance's Energy Star Consumer Products project, which, along with the Energy Star Homes Northwest project, comprises the Residential Sector Initiative.

Consumer Products is a continuation of successful regional efforts to promote ENERGY STAR-qualified lighting, appliances, windows, and other home products to Northwest consumers. In the late 1990s, the Alliance launched three residential projects targeting energy-efficient light bulbs, fixtures, and resource-efficient clothes washers. These projects were designed to introduce these products to the marketplace by developing relationships with product manufacturers. The projects included manufacturer financial incentives to increase product availability and reduce product price.

In 2000, the two lighting projects were combined and the clothes washer project was expanded to address dishwashers, refrigerators, and room air conditioners. The project narrowed its focus to ENERGY STAR-rated products and changed its intervention target from manufacturers to retailers. The project provided retailers with salesperson training and advertising and marketing support to encourage ENERGY STAR product promotion and marketplace acceptance. Local utility activities were leveraged and regional and national initiatives were launched to encourage the improvement of ENERGY STAR product quality.

Starting in 2004, all residential project activities were rolled up into the Residential Sector Initiative, which includes the ENERGY STAR Consumer Products project and the ENERGY STAR Homes Northwest project. This umbrella approach to targeting residential products and homes streamlines the Alliance's messaging to partnering utilities and upstream market actors and improves the functional efficiency of project implementation.

The Consumer Products project reflects the culmination of over 5 years of market interventions and market intelligence. As energy-efficient consumer products have moved through the various

stages of the adoption process, the project has evolved accordingly to ensure its strategies are cost effective.

In 2005, the project launched the Savings with a Twist CFL promotion, which provided manufacturers with an upstream incentive to reduce the market price of CFLs in the region. Specifically, the Alliance worked with manufacturers and retailers to establish promotional distribution channels to move lower price products that met minimum light output standards and were PEARL tested into the market. The project also created new product delivery channels as well as new relationships between various market players. In total, 900 retail partners participated in the SWAT promotion.

The SWAT promotion launched on August 1, 2005 and officially ran through the end of December; however, retailers maintained promotional pricing and signage until they achieved full sell-through of the promoted bulbs, which was expected to run through February 2006 in some cases.

Also, in 2005, the project continued efforts to prime the market for the ENERGY STAR specification change¹ and take advantage of the current relatively large differential between the current ENERGY STAR level and higher efficiency units. The Alliance has come out with a "Best of the Best" program to showcase the highest efficiency machines. Retailers (managers and salespeople) continue to be trained and provided with materials to familiarize themselves with the benefits of Ultra High Efficiency (UHE) clothes washers and the technicalities of the features that make a clothes washer UHE versus ENERGY STAR.

The "Best of the Best" is coupled with a coupon book program that allows utilities to provide rebate materials to their customers. The coupon book covers all ENERGY STAR appliances. The coupon book was in its planning stages at the time of the research for MPER2 with a target implementation date in the spring of 2006. In some cases, manufacturers are interested in tying into the coupon book concept and perhaps matching utility rebates. Tiered rebates for UHE clothes washer purchasers continue and will be pursued in 2006 to continue to push the higher efficiency units.

2.1.1 Market Progress Indicators

The project has established several market progress indicators that track success in meeting its goals:

Lighting Products

Goal: Increase CFL sales.

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¹ Effective on January 1, 2007, the ENERGY STAR criteria for clothes washers will change from a minimum modified energy factor (MEF) of 1.42 cubic feet per kWh per cycle to MEF 1.72. In addition, the ENERGY STAR specifications also includes water efficiency metric as represented by a water factor (WF). The new ENERGY STAR specifications for 2007 specifies that clothes washers cannot exceed 8.0 WF.

• Market progress indicator: Increase CFL sales in the Northwest from 750,000 to 1 million annually from the 2004 level of 5.1 million, reaching total sales of 9 million per year by 2010.

Goal: Increase CFL with CFL replacements.

• Market progress indicator: Increase the rate that CFL purchasers report that they are likely to replace burnt out CFLs with CFLs from 75 to 80 percent. Continue to track the overall CFL removal rate, which was 4 percent² of all CFLs installed in homes in 2004.

Goal: Increase availability, selection, and affordability of lighting products in smaller markets in the region.

• Market progress indicators: Change in retailer CFL availability, diversity and affordability and in consumers' perceptions of availability, diversity and affordability as barriers to purchase.

Goal: Improve product quality and perception of product quality.

• **Market progress indicators:** Retailer perception of changes in product quality and consumer satisfaction with CFLs.

Clothes Washers

Goal: Maintain ENERGY STAR clothes washer market share.

• Market progress indicator: Maintain the Northwest's lead over the national average market share for ENERGY STAR clothes washers.

Goal: Increase UHE clothes washer market share

• Market progress indicator: Achieve annual market share for UHE clothes washers (modified energy factor >1.8) of at least 50 percent of all ENERGY STAR clothes washers by 2007.

Goals: Define target efficiency for UHE clothes washers and facilitate adoption of target efficiency as 2007 ENERGY STAR specification.

• Market progress indicator: Criteria used for the 2007 ENERGY STAR specification.

2.2 EVALUATION OBJECTIVES AND APPROACH

The goals of the evaluation are to:

• Measure progress toward overcoming market barriers, leveraging market opportunities, and the product or service becoming sustainable in the marketplace

² In MPER1, this percentage was stated as 3 percent of all CFLs across all purchaser homes with CFLs installed. In this report, we cite installed, stored and removed CFLs as a percentage of CFLs across all purchaser homes in order to allow for consistent comparisons across categories.

- Document the project; and
- Provide ongoing feedback to the Alliance and Project Contractor.

The MPER2 evaluation approach consisted of the following research activities:

- Project staff interviews (6 interviews performed in January and February 2006);
- Assessment of secondary source product sales and market share data;
- In-depth interviews with lighting and clothes washer market actors including manufacturers, retailers, and industry observers (a total of 16 interviews performed between December 2005 and February 2006);
- Consumer lighting survey 560 computer-assisted telephone interviews with Northwest consumers in November 2005; and
- Lighting retailer shelf survey 73 on-site surveys with Northwest lighting retailers.

Table 2-1 summarizes the interview components of the evaluation. Table 2-2 shows the indicators of lighting market progress as well as its goals that were tracked by the evaluation and their linkages to the evaluation research components. Table 2-3 shows the same overview for appliances.

Table 2-1
MPER2 Interviews*

Interview Type	Completed Interviews
Program Staff	6
Lighting manufacturers (market actor)	4
Lighting retailers (market actor)	3
Clothes washer manufacturers (market actor)	4
Clothes washer retailer (market actor)	1
Industry organizations (market actor)	5
Consumer Lighting (purchaser survey)	560
Lighting Retailer (shelf survey)	73

^{*} Note that there is some overlap among lighting and clothes washer market actors (e.g., retailers that sell both lighting and clothes washers are counted twice)

Table 2-2 Lighting Market Indicators, Goals and Research Tasks

		Research Task			
Goals	Market Indicator	CFL Sales Assessment	CFL Consumer Survey	Market Actor Survey	Shelf Survey
Increase CFL sales	Estimated annual CFL sales in 4 states	•			
Increase CFL with CFL replacements	Rate of future intended CFL-CFL replacement		•		
Improve product	Total and share of space dedicated to energy efficient lighting products				•
availability in smaller markets in the region	Perception of product availability as a consumer purchaser barrier		•		
	Number of CFL styles and wattage categories stocked				•
Improve product selection in smaller markets in the region	Number of CFL brands for sale by style and wattage categories				•
	Perception of product selection as a consumer purchaser barrier		•		
leaners a new direct	Prices of CFLs by style and wattage category				•
Improve product affordability in smaller markets in the region	Perception of product affordability as a consumer purchaser barrier		•		
Improve product quality and customer perception	Retailer perception of product quality			•	
of product quality	Customer satisfaction with CFLs		•		

Table 2-3
Appliance Market Indicators, Goals and Research Tasks

		Research Task		
Goal	Market Indicator	Appliance Market Share Assessment	Market Actor Survey	
Maintain Energy Star clothes washer market share	Market shares of ENERGY STAR clothes washers in 4 states and for the nation	•		
Increase UHE clothes washer market share	UHE clothes washer sales as a fraction of ENERGY STAR clothes washer sales	•	•	
Define target efficiency for UHE clothes washers Facilitate adoption of target efficiency as 2007 ENERGY STAR specification	Criteria used for new ENERGY STAR specifications effective January 1, 2007		•	

2.3 REPORT ORGANIZATION

The remainder of this report is organized as follows:

- Section 3: Project Update
- Section 4: Product Sales and Market Shares
- Section 5: Consumer Lighting Survey Results
- Section 6: Lighting Shelf Survey Results
- Appendix A: Consumer lighting survey instrument
- Appendix B: Shelf survey instrument
- Appendix C: Market actor survey instrument
- Appendix D: Project staff survey instrument
- Appendix E: Consumer lighting survey banners
- Appendix F: Shelf survey sample size tables

PROJECT UPDATE

This section provides a project update based on interviews with Consumer Products project staff and market actors, and a review of project reports. Alliance staff and project contractors were interviewed to gather feedback on major project activities. Market actors including manufacturers, retailers, and industry organizations were interviewed to help identify their perception of the current market conditions. Table 3-1 shows the types of market actors interviewed.

Table 3-1
Market Actor and Program Staff Interviews

Interviewee	Contact Pool	Completed Interviews
Program Staff	6	6
Lighting manufacturers	5	4
Lighting retailers	5	3
Clothes washer manufacturers	6	4
Clothes washer retailer	5	1
Industry organizations	9	5
Total	36*	23*

^{*} Note that there is some overlap among lighting and clothes washer market actors (e.g., retailers that sell both lighting and clothes washers are counted twice)

While the evaluation effort involved attempts to contact a range of market actors, the small sample sizes should be considered when reviewing the results. The comments provide insight into the market, but are not necessarily representative of the entire market. When we use the general term market actor to describe comments, it refers to the fact that individuals from more than one market perspective (manufacturers, retailers, and industry organizations) comment similarly.

In 2005, the project focused on three major activities – first, the Alliance launched the Savings with a Twist (SWAT) lighting promotion; second, the Alliance developed plans to address the new Energy Star® clothes washer standards, and third, the Alliance continued to offer retailer and utility field support. These major activities are discussed in some detail below.

3.1 LIGHTING MARKET UPDATE

3.1.1 SWAT Promotion

The SWAT promotion provided an upstream CFL buy down which reduced the market price of CFLs in the region. Specifically, the Alliance worked with manufacturers and retailers to establish promotional distribution channels to move lower price products that met minimum light output standards and were tested by The Program for the Evaluation and Analysis of Residential Lighting (PEARL)¹ into the market. The project also created new product delivery channels as well as new relationships between various market players. In total, 900 retail locations participated in the SWAT promotion.

The SWAT promotion launched on August 1, 2005 and officially ran through the end of December; however, retailers maintained promotional pricing and signage until they achieved full sell-through of the promoted bulbs, which was expected to run through February 2006 in some cases.

Manufacturers and retailers felt the SWAT promotion led to increased customer awareness and willingness to purchase CFLs, and credited its success to the Alliance's field support. The retailers we interviewed indicated that the SWAT promotion was "good for business" in that it undoubtedly increased consumer willingness to purchase CFLs and resulted in increased product sales. Manufacturers and retailers were in agreement that the Alliance field support was instrumental to the promotion's success. More than one market actor stated that the Alliance field staff provides more retailer support than many other programs. In addition, manufacturers felt the POP materials for SWAT were simpler when compared to other regional and national programs (e.g., "We just had to put a sticker on the displays rather than on every light bulb...").

Several manufacturers and retailers expressed dissatisfaction with the retail price requirements imposed by the SWAT promotion. These market actors felt that the promotional price should not be dictated by the Alliance. Some retailers felt that as a result they achieved very thin profit margins, and several manufacturers felt that other regions have offered promotions with higher buy down levels as well as higher retail prices. Some market actors felt that the retail pricing requirement may have prevented some manufacturers and retailers from participating in the promotion.

In addition, manufacturers and retailers felt that the rebate payment process and associated reporting requirements were administratively burdensome. Manufacturers

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¹ PEARL is a watchdog program. It was created in response to complaints received by utility program managers about the performance of certain ENERGY STAR lighting products being promoted within their service territories and the lack of a self-policing mechanism within the lighting industry that would ensure the reliability of these products and their compliance with ENERGY STAR specifications. To remedy these problems, PEARL purchases and tests products that are available to the consumer in the marketplace.

participating in the promotion were paid a portion of the buy-down when retail stores confirmed delivery of the product, and another portion after 75 percent sell-through, and so on. Some of the manufacturers interviewed for this study felt that these requirements added unnecessary administrative costs for both manufacturers and retailers. According to various market actors, these extra administrative costs made the program even less financially enticing.

The promotion's focus on specific product types, combined with the low price requirements, led to concerns among some manufacturers and retailers. The promotion included only bulbs that were 18 Watts or greater. According to project staff, this restriction was intended to reduce quality and application complaints in the future. They felt the promotion offered attractive pricing. However, some manufacturers and retailers expressed concern that by focusing on low prices for specific bulbs, consumers will continue to look for and purchase the low price bulbs when the promotion is over – which may be of poorer quality than the promotional bulbs.

Project staff recommended raising the buy down price to add flexibility in retailer pricing and reduce the chance of devaluing the product. Project staff suggested that the Alliance raise the buy down price so there is more flexibility in retailer pricing and less chance of devaluing the product such that it is viewed as an impulse purchase or "throw away" commodity.

Tracking CFLs during the promotion was one of the most challenging components of the project. Early in the SWAT promotion, it became clear that the bulb distribution process was not synchronized across retailers. Manufacturers and retailers made bulbs available at varying times throughout the region. Bulbs often sold out quickly so the program had difficulty both getting and keeping promotional bulbs in all retail locations. This created consumer and utility frustration because consumers were not able to locate promotional bulbs as easily as was indicated in some of the utility marketing materials.

Alliance project staff and field representatives worked with retailers to better understand the retail and distribution channel challenges and create solutions to help improve product availability throughout the region. This included creating a website that reported the availability of promotional bulbs at specific retail locations as retailers received their product shipments. Large retailers who participated in the promotion were most able to update their inventory records with reliable numbers. Smaller retailers had difficulty providing reliable updates because their tracking systems were less sophisticated and bulbs could not be tracked to the retail floor. While the tracking system helped mitigate delivery challenges and provided a means to minimize availability uncertainty, the process required significant additional time and resources to contact retailers and identify shipment status so that the program could keep an updated record of bulb availability across the region.

Project staff agreed that the CFL tracking process was intense and suggested creating mechanisms to encourage better compliance among participating manufacturers and retailers. The website tracking process, and associated effort to contact retailers ("call downs"), was very time intensive. Project staff commented that, for future efforts, there will need to be

sufficient hours allocated for this field work, especially considering the smaller, more rural stores tend to require more time and effort than the larger chain or DIY stores.

To aid the tracking process, project staff encouraged the Alliance to coordinate upfront with manufacturers, retailers, and project staff in a three-way discussion to ensure all players understand the reporting requirements. During the fall 2005 promotion, project staff felt that many retailers appeared to not fully understand the reporting requirements. They suggested that the Alliance should create mechanisms to motivate retailers to track and report more efficiently. Project staff suggested that the Alliance may want to consider creating specific contract language to establish more stringent shipping and delivery standards, with built-in penalties and rewards based on specific goals and expectations.

Project staff suggested several improvements related to project marketing and outreach:

- Use generic lighting promotional messages in retail locations and in utility messaging
 that educate customers about the benefits of more efficient technologies, as opposed to
 reporting availability of promotional products by retailer or within a specific timeframe.
 The time sensitive, location specific reporting has real risks associated with not meeting
 customer expectations due to difficulties coordinating with retail locations.
- Promotional pricing and in-store demonstrations are the most effective marketing strategies. This was mirrored by market actor feedback.
- Improve consumer education by providing take-away materials in advance of the
 promotions as well as year-round. Field representatives would like to see more general
 lighting information materials that consumers can take home with them from retailer
 displays.
- Improve the efficiency in rural and smaller markets by increasing promotions in national chain grocery stores and drug stores.
- Continue educating utilities in the value of using upstream promotion and leveraging opportunities as a means of creating market transformation.
- Leverage manufacturer relationships with retailers to gain better access to retailer contacts.

Maintain sufficient promotional lead-time to notify manufacturers, retailers, and utilities and work with them to sign onto the promotion and integrate the promotions into their schedules. The 2005 timing of early commitments in June or September worked well in some cases, but more lead-time is still needed. Project staff felt it was imperative that the Alliance meet its April target solicitation release for the 2006 program. During the 2005 promotion, they noted that retailer commitments early on in many cases fell through later, so they felt that lead time needs to be coupled with more detailed commitments or other follow-up activities.

3.1.2 Coordination with Other, National Efforts

Participation in national ENERGY STAR programs and promotions continues to be an important component of sales strategies at the manufacturer and retailer levels. The manufacturers and retailers we interviewed reported that they promote and support the ENERGY STAR brand. Market actors report that the current market has shown an increase in CFL sales, which is likely a result of national programs coupled with regional and local promotions. They feel that promotional activities, timed with national-level promotions such as the ENERGY STAR *Change a Light, Change the World* campaign, have been effective in drawing increased consumer attention to the products. According to retailers, these efforts have not only led to increased consumer awareness, but also expanded product availability, lower prices, and increased sales. Manufacturers report increased sales and an expanded retailer base as a result of these coordinated efforts.

CFL promotions are clearly an important component of retailer and manufacturer promotional efforts. All of the retailer and manufacturer representatives we interviewed indicated that their organizations participate in multiple CFL promotions annually. Most mentioned participation in utility-sponsored lighting promotions and indicated that they have promotions planned for 2006, although few were able to provide details regarding the future promotions. Several indicated that they would definitely participate in future regional promotions, and indicated that utility support can greatly increase a program's effectiveness.

ENERGY STAR qualifying bulbs are the primary focus of most manufacturer and retailer sales efforts. Several of the manufacturers and retailers we interviewed report that most or all of their CFL bulbs are ENERGY STAR qualifying models, and all engage in promoting ENERGY STAR bulbs.

3.1.3 Product Quality

Product quality has improved over time but still an issue for some of the newer products.

The overall impression among the lighting manufacturers, retailers, and industry organizations we interviewed is that CFL quality has improved over time; however, more than one of the industry organizations' representatives feel that quality is still "spotty." All market actors feel that quality will continue to improve. Reflectors, dimmables, and 3-way bulbs are of the greatest concern to industry organizations and retailers in terms of quality, but these same groups feel that manufacturers have made progress in improving quality of spiral and enclosed compact fluorescent bulbs.

Product quality continues to be effectively monitored through PEARL testing, and ENERGY STAR continues to be regarded as symbol of quality products. The Alliance continues to work with PEARL to develop and monitor lighting quality. The manufacturers we interviewed feel this effort has value and see it as an important criteria used by retailers when making stocking decisions. They indicated that some of the nation's major CFL retailers are paying greater attention to PEARL testing results such that products that do not pass will not be carried in their stores.

Product quality is also an important factor in consumer acceptance. Manufacturers and retailers are aware that poor quality can be a barrier to purchase. Manufacturers' and retailers' representatives pointed out that consumers view the ENERGY STAR brand as an indicator of product quality.

3.1.4 Market Barriers

Manufacturers and retailers consider consumer hesitation to try new products and CFL price as the primary barriers to expanding CFL market share. Both manufacturers and retailers indicated that consumers' lack of awareness and initial hesitation to purchase and try CFL bulbs are the major barriers to overcome. Several market actors cited price as a barrier to consumers and suppliers for energy-efficient lighting, and others cited customer concerns about product quality. Concerns regarding price and product quality were greatest with regard to specialty bulbs.

One potential barrier that the Alliance is attempting to address is the issue of CFL bulb disposal. The Alliance is committed to helping the market create effective ways to dispose of CFL waste using an environmentally focused approach. The Alliance participated in two pilot programs in King and Lane Counties in Oregon. The Lane results are in and King county results are being analyzed. While early indications are that the programs were expensive relative to their value, the Alliance is committed to monitoring the results and looking for creative ways to address this important issue. According to retailers, some consumers are beginning to become aware of the issue of CFL bulb disposal but none felt, at this time, it was a significant barrier to increased sales.

3.1.5 CFL Fixtures

Manufacturers may be reluctant to invest in CFL fixtures because of a misunderstanding of the ENERGY STAR requirements. According to the market actors we interviewed, CFL fixtures are not a major component of the retailer lighting stock and although one of the manufacturers we interviewed does produce CFL fixtures, other manufacturers expressed hesitation to invest in production because of the expense involved in meeting ENERGY STAR specifications. However, there may be some misunderstanding among these manufacturers of the new testing requirements for CFL fixtures that, if clarified, could lead to greater interest and production activity. Specifically, they may not fully understand that the testing burden has shifted from the fixture manufacturer to the bulb and ballast manufacturers. One industry organization representative with whom we spoke noted that once manufacturers are made aware of this change, they tend to be more receptive.

3.2 CLOTHES WASHER MARKET UPDATE

The Department of Energy announced a change in the ENERGY STAR standard for clothes washers in December 2005, reporting that the new criteria are expected to save \$70 million in

energy bills and 8.9 billion gallons of water each year.² Effective on January 1, 2007, the ENERGY STAR criteria for clothes washers will change from a minimum modified energy factor (MEF) of 1.42 cubic feet per kWh per cycle to MEF 1.72.³ The new ENERGY STAR standard also includes a water efficiency metric as represented by a water factor (WF). The new ENERGY STAR standard for 2007 specifies that clothes washers cannot exceed 8.0 WF.⁴

Alliance goes beyond ENERGY STAR to promote the "Best of the Best." The Alliance is continuing ongoing efforts to prime the market for the ENERGY STAR standard change and use this year in before the new standard is adopted to highlight the current relatively big differential between the current ENERGY STAR specification and the 2007 and higher efficiency units. The Alliance has come out with a "Best of the Best" program to showcase the highest efficiency machines. Retailers (managers and salespeople) continue to be trained and provided with materials to familiarize themselves with the benefits of UHE clothes washers and the technicalities of the features that make a clothes washer UHE versus ENERGY STAR.

The "Best of the Best" is coupled with a coupon book program that allows utilities to provide rebate materials to their customers. The coupon book covers all ENERGY STAR appliances. In some cases, manufacturers are interested in tying into the coupon book concept and perhaps matching utility rebates. Tiered rebates for UHE clothes washer purchasers continue and will be pursued in 2006 to continue to push the higher efficiency units. Forty-six utilities (up from 16 in MPER1) offer a tiered clothes washer rebate to encourage purchases of the highest efficiency clothes washers.

Market actor reactions to Alliance promotion of higher standard clothes washers are mixed. Some market actors felt the Alliance's support of the higher standard for ENERGY STAR will create confusion in the market place. Some representatives of manufacturers and industry organizations, as well as the retailer we interviewed, felt that lack of consistency with the ENERGY STAR standard will require extra effort to communicate with salespeople and customers, and will require use of "a lot of jargon" that most don't understand. Others felt that the Alliance has already taken steps to minimize customer confusion and emphasized that its "Best of the Best" promotion is not inconsistent with ENERGY STAR messages.

Manufacturers are equipped to meet the new standard. While the Department of Energy announced the new standard in December 2005, manufacturers report that they were aware of the

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² DOE, 2005. "DOE Announces New Clothes Washer Criteria (December 2005)." Press Release, U.S. Department of Energy. Online at <a href="http://www.doe.gov/contact/newWebSite.htm?PUBLIC_ID=19403&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASES&TT_CODE=PRESSRELEASES

³ MEF is the present energy efficiency measure for all clothes washers and is the quotient of the cubic foot capacity of the clothes container divided by the total clothes washer energy consumption per cycle. A clothes washer's energy consumption includes its electrical energy consumption, hot water energy consumption, and the energy required for removal of the remaining moisture in the wash load.

⁴ DOE, 2005. "ENERGY STAR® Program Requirements and Criteria for Clothes Washers." December 20, 2005. Online at http://www.energystar.gov/ia/partners/product_specs/program_reqs/CW_ProgramRequirements_2007.pdf.

upcoming change far in advance of that date and that this lead-time has been essential in their efforts to meet the standard. Most manufacturers admit that product offerings will change and there may be a dip in sales and availability, but most expect the market to recover quickly. In fact, all of the manufacturers we interviewed reported that they already produce clothes washers that meet the new standard.

Focus is on front-loading clothes washers – the "wave of the future." All four of the manufacturers we interviewed indicated that their current focus is on increasing production of high-efficiency front-loading clothes washers, and some also mentioned decreasing production of their top-loaders. One manufacturer indicated that front-loading units currently represent just under one quarter of the clothes washer market, but indicates this is a substantial increase over the past several years: "five years ago it was only 8 percent." This same manufacturer indicated that their front-loader business is growing at an average of 32 percent per year and noted that in 2005, the growth in front-loader sales was 49 percent over the previous year.

Some high efficiency models may be too expensive for many consumers. Three of the four manufacturers we interviewed expressed that the highest efficiency models generally require more sophisticated and expensive components, and are often equipped with more features or unique styling to attract consumers to this high-end product. These manufactures are large scale, mainstream producers and not just high-end specialty manufacturers. As a result, manufacturers report that these models cost more to build and cost consumers more to purchase. There is some concern that the new standards will result in high efficiency models being out-of-reach financially for most consumers, but several manufacturers are planning to launch qualifying models targeted to price-conscious consumers.

Consumers consider many factors when making purchase decisions, including but not limited to the rebate amount. All of the manufacturers we interviewed indicated that rebates are still important considerations for consumers, and rebates help increase awareness of energy efficiency features. However, most manufacturers agree that rebates alone do not drive purchase decisions. Most feel that consumers have an idea of how much they are planning to spend when they enter the store, and that what drives their decisions between models in the same price range is features. "Getting the rebate" is considered alongside of getting the most attractive model with the best available features.

Reactions to a tiered rebate structure was mixed. Generally, manufacturers indicated that tiered rebates are in some sense a "double-edged sword" – that is, the structure may lead to some confusion in the marketplace, but the tiered rebates are effective at increasing consumer awareness, communicating relative savings, and generating higher sales of the higher efficiency models.

First cost continues to be the most significant barrier to increased sales of high efficiency clothes washers. According to the manufacturers and retailers we interviewed, the up-front cost is the most significant barrier in the market for high efficiency clothes washers. As a result,

manufacturers see the need to focus consumer education on the "economics" (or life-cycle cost benefits) of high efficiency models.

Combining energy efficiency rebates with water utility rebates could significantly reduce the first cost barrier. In addition to increased energy prices, many consumers are facing increased water costs as well. One manufacturer's representative commented that some water utilities in California and the Pacific Northwest are offering rebates that can be combined with energy-efficiency rebates for the clothes washers. The combined water and energy rebates could dramatically reduce the first cost barrier mentioned above.

Other barriers include high efficiency model availability, size and detergent requirements. In addition to the first cost barrier, manufacturers discussed other market barriers to increased sales of high efficiency clothes washers:

- Availability. Consumers can go online and find the high efficiency model they want, but all models may not be available on the sales floor at their preferred appliance store.
- *Size*. Energy efficient top-loading clothes washers are generally larger (deeper) and may not fit into smaller homes.
- *Detergent*. Some consumers may still perceive the lack of availability of high efficiency detergent as a barrier.

Tax credits helped push manufacturers toward higher production of ENERGY STAR models.

Appliance manufacturers are able to take advantage of tax credits for increasing their production of ENERGY STAR models. Tax credits are available in 2006 for manufacturers who meet the 2007 ENERGY STAR requirements in advance and show growth in their production during this lead-up year. Consumers in Oregon can also take advantage of Oregon tax credits. Both of these offers provide additional financial support to the industry and the Alliance promotes these tax credits as appropriate.

Manufacturers' reactions to the tax credits are generally positive, crediting the government with taking this important step to influencing the availability of high efficiency clothes washers on the market. As tax credits are based on a manufacturer's incremental production volume above a moving three-year average, some manufacturers have indicated they will have to be "pretty aggressive to try to get the incentives." On the other hand, manufacturers already producing a variety of ENERGY STAR models are facing greater challenges to produce enough to gain substantial benefit from the tax incentives. One manufacturer remarked that, "it's almost as if we're getting penalized" for being ahead of other manufacturers in pushing the ENERGY STAR brand.

One manufacturer noted that the tax incentive is available only to clothes washers manufactured in the United States, and mentioned that while many manufacturers have some of their components (particularly computerized components) made overseas, this won't impact their ability to take advantage of the incentives.

3.3 FIELD SUPPORT

The project's field representatives have developed relationships with both retailers and utilities over the years that facilitate the promotion of ENERGY STAR consumer products. From introducing general energy-efficiency concepts to providing promotional materials to salesperson training, field representatives have become part of the fabric of the retail environment. Likewise, the utilities rely on field support and the project's utility coordinator as a link to regional and national initiatives and promotions.

In 2005, field services continued to be at the heart of the project and provided an opportunity to heavily market the SWAT promotion. During the promotion period, field staff worked closely with retailers and manufacturers to monitor bulb supply and distribution channels. Field staffing levels remained similar to previous years with additional funding for temporary representatives to assist with the SWAT promotion. According to project staff, field staff turnover was minimal and there was good continuity of staffing during the intensive SWAT implementation months.

Because of the heavy emphasis on lighting field support in the fall and winter, staff focused efforts in earlier months on appliance focused field training and support. During the study period, the field staff also distributed the clothes washer "Best of the Best" POP materials and provided retail support for this new campaign.

3.3.1 Retailers

The key to the effectiveness of the project's retailer field services is the consistency and frequency of visits. The target visit schedule includes:

- Appliance stores and do-it-yourself (DIY)/lighting chains are contacted every 5 to 6 weeks;
- Drug stores and mass merchandisers are contacted every 12 weeks, and;
- "Mom and pop" hardware stores every 4 to 5 months.

The SWAT promotion involved field visits and a significant amount of "call downs" (phone check-ins with retail contacts) to review product availability and gather information to allow more real time tracking of promotional product availability throughout the region.

Table 3-2 provides a summary of the number of field representative visits by state for 2004 and the first quarter of 2005. Visits were significantly higher during the third and fourth quarter 2005 SWAT planning and implementation time period. The field staff made a total of 8,714 store visits in 2005 compared to 6,364 in 2004, or a 37 percent overall increase.

Q2 Q1 Q2 Q3 Q4 Q1 Q3 Q4 Percent of 2004 2004 2004 2004 2005 2005 2005 2005 **Total Visits Total** State 90 251 219 281 223 179 267 388 1,898 13% daho 223 190 251 1,589 11% Montana 99 236 176 199 215 626 595 763 582 791 5,390 36% Oregon 282 608 1,143 1,327 6,201 Washington 394 690 691 734 484 904 977 41% 15,078 Total 865 1,790 1,695 2,014 1,491 1,916 2,234 3,073 Percent of Total 12% 10% 13% 15% 20% 6% 11% 13%

Table 3-2 Field Representative Visits to Retailer Stores by State

Source: Residential Sector Initiative Monthly Reports, PECI

Field representatives provide a variety of services during each retailer field visit depending on the status of seasonal promotional activities (e.g., utility and/or national programs). Retailers are updated on utility incentive program status and provided with product qualifying lists and updated point-of-purchase materials. Field representatives may provide some salesperson training and possibly assist customers with questions concerning energy-efficient products.

Because the 2005 project had adequate advance notice about the Fall SWAT promotion, the field staff was able to focus their summer activities on consumer products and shift the majority of the field focus to lighting as the promotion picked up momentum. As with previous field efforts, while the promotion provides opportunities to focus on specific program needs, staff are well versed in all of the programs and use the in-store opportunity to provide a range of answers to retail representatives about the program, the specific equipment that qualifies, and the ENERGY STAR added product value.

Field staff continues to visit the full range of stores with stronger focus in the 2005 project on smaller regional stores. These regional visits allowed the SWAT program in particular to spread the promotional scope to a wider audience. Because manufacturer representatives often neglect small rural stores, the field representatives continue to serve the more rural market with program details as well as to provide general information on energy-efficient products and marketing support. The SWAT promotion also provided opportunities for the program to establish strong relationships with new market players, including retailers who did not previously have strong CFL sales. In contrast, national DIY chains are more sophisticated and often already incorporate energy efficiency into their sales pitch and promotional materials. Field support to this audience is more specific and technical.

3.3.2 Utilities

The Alliance provides a variety of services to the utility market. These services include:

• The northwestenergystar.com web site, which acts as a source of project, technology, and market information as well as a distribution channel for materials that the

SECTION 3

Alliance previously provided in paper form (this is where the 2005 bulb tracking system was located)

- A utility coordinator to help utilities effectively use the Alliance project services
- Field representatives who focus their field visits on retailers to promote the project but also periodically visit utilities and help educate them on the services available
- Materials (the "Utility Resource Kit") to help utilities plan, implement, and market their programs
- Marketing and outreach support
- Communication services (e-mail notices, E-newsletter, working groups, conference calls).

The utility coordinator and the field representatives are the primary contact points for utility program managers. The utility coordinator and field representatives aim to meet or talk with contacts at active utilities, publics, and those who have DSM funding once each quarter. This pool of active utility contacts is about 50 utilities.

Table 3-3 provides a summary of the utility visits for the 9 months between April 2005 and December 2005. There are a total of 140 utilities within the region. The average number of visits per utility has increased since MPER1. MPER1 included the 5 months from November 2004 to April 2005, which had an average of 1.47 visits per utility. The average number of visits per utility increased in Washington, Montana, and Idaho while Wyoming visits remained the same and Oregon declined. The average number of utility visits per month increased slightly from MPER1 (13.8) to MPER2 (15.1).

Table 3-3
Field Representative Visits to Utilities by State for the 9 Month Period from 4-05 to 12-05

Utility	Washington	Oregon	Montana	Idaho	Wyoming	Total
Total Visits	81	12	19	22	2	136
Total Utilities	38	15	11	11	2	77
Average Visits/Utility	2.13	0.80	1.73	2.00	1.00	1.77

Source: RSI Monthly Reports, PECI

4

PRODUCT SALES AND MARKET SHARES

This section presents lighting and appliance sales and market share data. The purpose of reporting on these data are to measure the project's progress towards the various indicators that are based on sales and market shares. The basis of this section is internal Alliance reports compiled by PECI and ECOS, the Alliance's implementation contractors.

4.1 CFL Sales and Market Shares

4.1.1 CFL Sales Assessment

This section presents the results of the compact fluorescent lamp (CFL) sales and market share assessments. These assessments measure market progress in meeting the Alliance project goals of increasing CFL sales in the Northwest from 750,000 to 1 million annually from the 2004 level of 5.1 million, reaching total sales of 9 million per year by 2010.

Figure 4-1 shows CFL sales for the region based on Alliance estimates¹, broken down by utility incentive versus nonincentive sales. SWAT sales are also broken out, starting in quarter 3 for 2005. The figure shows the cyclical nature of lighting sales, with sales spiking in quarters 1 and 4 during the "lighting season" and dipping in quarters 2 and 3. Total sales peaked in 2001 likely due to consumer and retailer response to (1) rising energy costs resulting from the California energy crisis; and (2) Alliance and utility-sponsored energy-efficiency programs. Annual nonincentive sales have increased gradually since 2002.

Sales in the last quarter of 2005 were up significantly. Sales typically peak in the fourth quarter, but the SWAT promotion likely contributed to a major peak in the fourth quarter of 2005. The total annual CFL sales in 2005 were estimated at 6.8 million bulbs, which is 600,000 over the projections for 2005. Based on quarterly trends in sales increases from 2002 through 2004, it appears that in absence of the SWAT promotion, 2005 sales would have been around 6 million bulbs, a difference of approximately 800,000. Approximately 883,000 bulbs were sold through the SWAT promotion in 2005.

¹ Refer to MPER1 Section 4 for an in-depth discussion with regard to the methods used to develop CFL sales estimates. The methods have not changed significantly from 2004 to 2005.

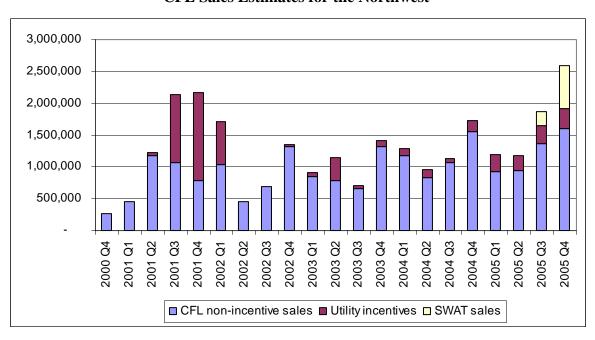


Figure 4-1 CFL Sales Estimates for the Northwest²

Sources: ECOS CFL Sales Data Reports for 2000 through 2005 Q4

4.1.2 CFL Market Share

Figure 4-2 shows CFL market shares for the Northwest and for the U.S. as a whole.³ These market shares have been estimated using methods from MPER1, which combine the CFL sales estimates described above with estimates of Northwest non-CFL sales. (The method uses national non-CFL sales estimates per capita from a national study of lighting sales data and applies them to the Northwest population.⁴) As shown, through 2002 market shares in the Northwest exceeded U.S. market shares by a substantial margin. Northwest market shares for 2005 are estimated at 11 percent.

³ Note that U.S. CFL market shares might be understated due to data availability issues associated with the CFL lamp report (i.e., the only available source of national CFL market share data). Some major retail channels have dropped out of the study in recent years and data have been extrapolated for these channels. Likewise, warehouse stores are not included in this study – a channel that for certain regions including the Northwest accounts for a very large portion of CFL sales.

 $^{^{\}rm 2}$ SWAT sales for the first quarter of 2006 are 214,570.

⁴ As mentioned in MPER1, market shares for the Northwest are probably understated because non-CFL sales per capita in the region are likely less than non-CFL sales per capita for the nation, since CFL sales per capita are higher in the Northwest as compared to the nation. However, at present time there exist no data on non-CFL sales per capita for the Northwest.

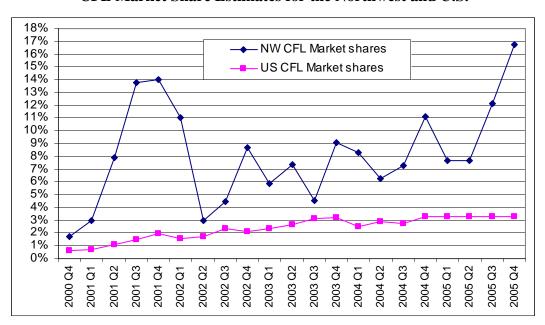


Figure 4-2 CFL Market Share Estimates for the Northwest and U.S.

Sources: ECOS CFL Sales Data report for 2005, U.S. Census Population Estimates for 2004 and Itron California Lamp Report 2004

ENERGY STAR® APPLIANCE MARKET SHARES 4.2

Although the Alliance's project is currently focused on clothes washers (and not the other three appliances), the project tracks ENERGY STAR® sales and market shares for all four appliances, as it has addressed these products in prior years. The market shares are used to measure market progress in meeting the Alliance project goals to:

- Maintain the Northwest's lead over national average market share for ENERGY STAR clothes washers
- Achieve annual market share for ultra-high-efficiency (UHE; modified energy factor >1.8) clothes washers of at least 50 percent of all ENERGY STAR clothes washers by 2007.

Tracking of appliance sales and ENERGY STAR appliance (clothes washers, dishwashers, refrigerators and room air conditioners) market shares are produced for the region by the Alliance's implementation contractor, PECI.⁵ The sources for the sales and market share data are D&R International and the Association of Home Appliance Manufacturers (AHAM). D&R previously provided quarterly market share estimates for ENERGY STAR-qualified appliances by state. In 2005, D&R has had some difficulty gathering the same level of data that they provided

⁵ Refer to MPER1 Section 4 for a discussion on the methods used by PECI to generate regional estimates based on AHAM and D&R data.

in the past, and the final 2005 data were not available until June, 2006. The delays in data availability were a result of waning retailer willingness to share data.

Figure 4-3 shows the ENERGY STAR clothes washer market share trends for the entire U.S. and for the Northwest. As shown, market shares of ENERGY STAR clothes washers have steadily increased over time. A sharp decline in Q1 2004 corresponds to a tightening of the ENERGY STAR modified energy factor specification. The Northwest market shares have consistently exceeded the national shares by about 10 percent. Currently, 2005 market shares are at 46 percent for the Northwest and 36 percent for the nation. The mean northwest market share across 2004 was 38 percent.

60% Clothes Washers NW 50% Clothes Washers US 40% 30% 20% 10% 0% 2001 Q1 2001 Q3 2002 Q3 2003 Q3 2003 Q4 2000 Q2 2001 Q4 2002 Q1 2002 Q4 2002 Q2 2003 Q1 2004 Q1 2004 Q2 2004 Q3 2003 Q2

Figure 4-3
U.S. and Northwest ENERGY STAR Clothes Washer Market Shares 2000-2005

Sources: PECI, AHAM, and D&R International, Ltd.

Figure 4-4 shows the market shares for ENERGY STAR refrigerators. Shares dropped suddenly and significantly in Q1 2001 due to a change in ENERGY STAR standards in January 2001. The Northwest's refrigerator market shares have consistently exceeded the nationwide shares by several percentage points and 2005 values are at 39 percent. The Northwest's market share for 2004 averaged 38 percent across the four quarters.

45% Refrigerators NW 40% Refrigerators US 35% 30% 25% 20% 15% 10% 5% 0% 2000 Q2 2000 Q3 2001 Q2 2001 Q3 2001 Q4 2002 Q2 2002 Q3 2003 Q3 2004 Q2 2004 Q3 2001 Q1 2002 Q1 2002 Q4 2003 Q1 2003 Q2 2003 Q4 2004 Q4 2005 Q1 2005 Q2 2004 Q1 9

Figure 4-4
U.S. and Northwest ENERGY STAR Refrigerator Market Shares 2000-2005

Sources: PECI, AHAM, and D&R International, Ltd.

Figure 4-5 shows the ENERGY STAR dishwasher market shares for the U.S. and the Northwest. Shares for both have steadily increased over time. Northwest market shares for 2005 are 88 percent while the mean 2004 market share across the four quarters was 80 percent.

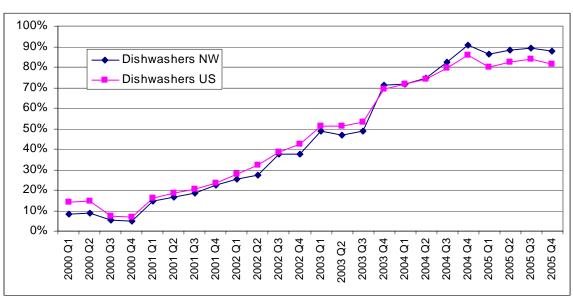


Figure 4-5
U.S. and Northwest ENERGY STAR Dishwasher Market Shares 2000-2005

Sources: PECI, AHAM, and D&R International, Ltd.

Figure 4-6 shows ENERGY STAR market shares for room air conditioners (Room ACs). As shown, the latest report shows the Northwest share at 44 percent versus 49 percent nationally for 2005. The mean market shares in 2004 were 35 percent in the Northwest and 36 percent nationally. Note that D&R typically reports on market shares for Room ACs only for the second and third quarters of each year.

70% Room AC NW 60% Room AC US 50% 40% 30% 20% 10% 0% 2001 Q3 2002 Q2 2002 Q3 2005 Q3 2000 Q3 2001 Q4 2002 Q1 2002 Q4 2003 Q3 2004 Q2 2004 Q3 2004 Q4 2005 Q4 2000 Q2 2003 Q1 2003 Q2 2003 Q4 2000 Q1 2000 Q4 2001 Q1 2004 Q1 2005 Q1 2005 Q2

Figure 4-6
U.S. and Northwest ENERGY STAR Room AC Market Shares 2000-2005

Sources: PECI, AHAM, and D&R International, Ltd. Note: The dotted lines have been added to smooth trend lines.

The Alliance's goal is to maintain the Northwest's lead over the national market share for ENERGY STAR clothes washers. As shown in Figure 4-7, the region exceeds national average shares for clothes washers, dishwashers, and refrigerators by a significant margin. The share of ENERGY STAR room air conditioners in the region has dropped behind the national average.

100% 88% 90% 82% NW 80% US 70% 60% 46% 44% 50% 39% 36% 40% 33% 30% 20% 10% 0% Clothes Dishwashers Refrigerators Room AC Washers

Figure 4-7
U.S. and Northwest ENERGY STAR Appliance Market Shares for 2005

Sources: PECI, AHAM, and D&R International, Ltd.

Figure 4-8 shows the market shares for clothes washer by state from 2004 to 2005. As shown, market shares in Idaho continue to lag behind those of the other states in the region. Market shares in Montana increased 8 percent from 2004 to 2005 closing the gap that existed between Montana and Oregon and Washington.

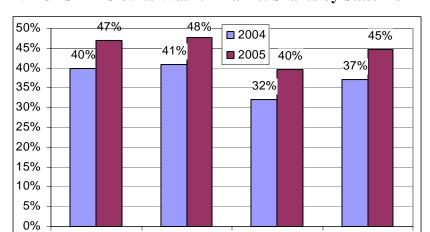


Figure 4-8
Change in ENERGY STAR Clothes Washer Market Shares by State from 2004 to 2005

Sources: PECI, AHAM, and D&R International, Ltd.

Idaho

Montana

Oregon

Washington

4.3 UHE CLOTHES WASHER MARKET SHARES

This section presents data on UHE clothes washer market shares as a fraction of ENERGY STAR market shares. These market shares are not available region-wide. Instead, data are available from three specific sources that represent coupon sales for Puget Sound Energy, tax credits claimed by Oregon residents, and instant rebate coupon data from the 2005 PacifiCorp *WashWise* pilot program. These sales likely represent upwards of half the UHE sales for the region. Figure 4-9 presents these data from 2002 to 2005 (with the exception of the PacifiCorp data, for which only 2005 data is available). Based on these data, it appears that the project has probably met and possibly exceeded its goal of 50 percent UHE clothes washer market shares, since all three sources show above 50 percent shares for 2005.

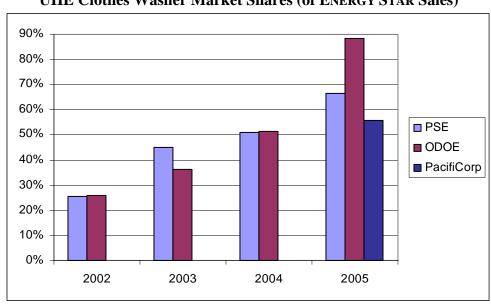


Figure 4-9
UHE Clothes Washer Market Shares (of ENERGY STAR Sales)

Sources: Coupon sales data from Puget Sound Energy, tax credit data from the Oregon Department of Energy, and instant rebate coupon data from PacifiCorp. 2005 PSE n= 9,554; 2005 ODOE n= 23,310; 2005 PacifiCorp n=255

4.4 SUMMARY OF FINDINGS

The Alliance exceeded its CFL sales goals by a wide margin in 2005, with sales of nearly 6.8 million in the region. The goal was to increase sales by 1 million from 2004, which were 5.1 million. It is likely that the SWAT promotion contributed to the huge increase in sales from 2004 to 2005, since the peak in the fourth quarter was so much higher than previous years' peaks, which have coincided with utility, retailer and national ENERGY STAR program fall lighting promotions. A rough estimate of the portion of 2005 CFL sales that were attributable to SWAT based on prior trends in third and fourth quarter sales increases is 800,000 CFLs.

Estimated CFL market shares for the region neared 17 percent by the end of 2005, exceeding national market shares by more than 13 percent. Since Northwest market shares were estimated using national non-CFL sales per capita (which are likely greater than those for the Northwest), Northwest market shares are likely even higher than 17 percent.

The Alliance continues to lead the nation in ENERGY STAR® market share for clothes washers, dishwashers and refrigerators. The region has dropped below the national market share for ENERGY STAR® room air conditioners. The gap between national and Northwest market shares for ENERGY STAR® refrigerators and dishwashers is only 6 percent. But the gap for clothes washers remains at more than 10 percent. The Alliance has narrowed its focus in recent years on clothes washers, so that there are not specific project strategies targeted at the other appliances.

Geographic differences in clothes washer market shares have narrowed due to a large increase in market shares for Montana from 2004 to 2005. However, shares in Idaho still lag behind those of the other states.

The project has likely met its goal of 50 percent UHE clothes washer market shares of total ENERGY STAR clothes washer sales. While data are not available region wide, the data that are available represent upwards of 50 percent of sales for the region. Project efforts to promote the "Best of the Best" models (which include UHE clothes washers) and an increase in utilities offering tiered clothes washer rebates from 2004 to 2005 may have contributed to the increase in UHE clothes washer market shares.

CONSUMER LIGHTING SURVEY RESULTS

5.1 Introduction

This section of the report presents results from the 2005 consumer lighting survey, which was conducted in November of 2005. A total of 560 households in the Northwest were surveyed to obtain information regarding their CFL awareness and purchasing behavior. This effort built on prior Northwest consumer lighting surveys that have been conducted each year in the fall, beginning in 2001.

The primary objectives of the survey were to track progress towards and explore barriers to meeting the Alliance's Consumer Product lighting goals and market progress indicators. These goals are shown in Table 5-1 and are linked to the survey topics that address them.

Table 5-1 Linkage of Project Goals to Survey Topics

Market Progress Indicator	Survey Topics		
Increase CFL sales in the region	 CFL purchase and awareness rate CFL future purchase intentions Barriers to and drivers of CFL purchases 		
Increase CFL with CFL replacements	CFL to CFL future replacement intentions		
Increase product availability, selection and affordability in smaller market areas of the region	 Customer purchase locations (store types) Reported purchase prices of CFLs Consideration of product availability, selection, or affordability as barriers to purchasing CFLs General satisfaction with CFLs 		
Improve customer perception of product quality	 Satisfaction with various CFL attributes Impressions of best CFL features Consideration of product quality as a barrier to purchasing CFLs General satisfaction with CFLs CFL removal rate 		

Next, we present an overview of our analysis approach. Then the remainder of this section is organized by the following topics:

- CFL awareness and purchases;
- Disposition of CFLs in purchasers' homes;
- Satisfaction with CFLs:
- Future CFL purchase intentions; and

• Summary of findings.

5.2 ANALYSIS APPROACH

We analyzed the 2005 survey data using both time series and cross-sectional comparisons in order to understand how the market is shifting over time, as well as what is driving those changes.

We used prior Northwest consumer lighting survey results where possible to show changes in the market over time. The 2005 survey was based on the 2004 survey¹, so we are able to show changes in most of the key variables of interest from 2004 to 2005. We also used 2001-2003 survey results where data are consistent and comparable.

We used cross-sectional analysis within the 2005 survey data to explore differences in CFL purchase behavior and future purchase intentions across key consumer segments.

One of the most important segmentations we used was a set of three mutually exclusive groups based upon respondent experience with CFLs. These groups were developed and used for the 2004 survey, and include:

- **Purchasers**, which includes respondents who reported one more or more CFL purchases at any time;
- **Aware Non-Purchasers**, which includes respondents who indicated awareness of CFLs but reported never having purchased any CFLs; and
- **Unaware Non-Purchasers**, including respondents who reported no CFL purchases and had no awareness of CFLs prior to the survey.²

We also segmented purchasers based on the date of first CFL purchase, date of most recent purchase, where they buy light bulbs, whether CFLs are being stored, and whether respondents' most recent CFL purchase occurred during a promotion. Note that the utilities in the region as well as the Alliance have sponsored various initiatives over the past decade to encourage CFL purchases. In particular, the Alliance administered the Savings with a Twist promotion in August 2005, in which utility funds provided manufacturer buy-downs on more than 1 million CFLs, which most retailers throughout the Northwest sold at \$0.99.

Finally, we looked at consumers by state and geographic region (east or west of the Cascade mountain range) along with how they responded to a series of attitude questions. Based on their attitudinal responses, consumers were grouped by:

¹ Note that the sample frame was also based on the 2004 survey. In the 2005 survey, we oversampled non-purchasers. Simple adjustment weights were developed to weight the survey data to the population. Refer to MPER1 Section 3 for a detailed methodology showing the sample frame.

1

² The survey script (see Appendix F) included a brief description of CFLs that was read to respondents who were unaware of CFLs in an unprompted recall; this segment includes only those respondents who were still unaware after hearing the CFL description.

- their level of concern about energy use in their home;
- whether they are too busy to worry about making energy related improvements in their home;
- whether it is worth it for their household to use less energy in order to preserve the environment; and
- whether operating costs are considered when making a major purchase.

Where we found meaningful and statistically significant differences in the results by any of these segments, we report them.

We have included cross-tabulations for each survey question by the segments described above in the Appendix E in banner format.

5.3 CFL AWARENESS AND PURCHASES

This subsection begins with results on CFL purchaser and awareness categories, which were described above. Next, the subsection discusses how aware respondents first learned of CFLs, when purchases occurred, where purchases occurred and why purchasers chose to buy CFLs over standard bulbs. Finally, an overview of purchaser statistics is provided.

5.3.1 CFL Purchaser and Awareness Categories

Figure 5-1 illustrates the change in the percentage of consumers who report having purchased a CFL from 2004 to 2005. In 2004, there was about an equal percentage of purchasers, unaware non-purchasers and aware non-purchasers. In 2005, the purchaser base has nearly doubled and is currently 58 percent. The percent of aware non-purchasers has changed only slightly, while the percentage of unaware consumers has dropped to 13 percent.

■ 2004 Surveys (n=1,530) ■ 2005 Surveys (n=560) 60% 58% 50% 40% 30% 32% 33% 32% 30% 20% 10% 13% 0% Purchaser Aware Unaware

Figure 5-1 Consumer Awareness and Purchaser Categories, 2004 and 2005

In the fall of 2004, rates of consumer awareness and purchases of compact fluorescent lamps (CFLs) differed by state and population density. Montano residents and consumers living in non-urban areas in particular were less likely to be both aware of and have purchased CFLs. Idaho residents were less likely to have purchased CFLs. Figure 5-2 shows CFL awareness and purchase rates by state as of the fall of 2004.

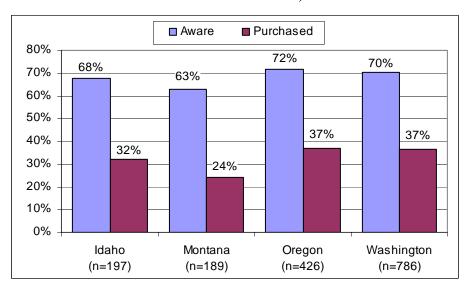


Figure 5-2 CFL Awareness and Purchases, Fall of 2004

Source: KEMA 2005

Rates of both CFL awareness and purchases increased region-wide from the fall of 2004 to the fall of 2005, particularly in Montana. There are no statistically significant differences by state or population density, with region wide awareness currently at 88 percent and the purchase rate at 58 percent.

We found that respondents' attitudes towards energy and the environment were correlated with both being aware of and having purchased CFLs. That is, the more favorable the attitude, the higher likelihood of being aware and having purchased. Obviously, those who care about energy efficiency and the environment and think about operating costs are more motivated to buy CFLs. Moreover, they are also more likely to pay attention to CFL advertisements from utilities, retailers and other sources, which would lead to a higher level of awareness.

5.3.2 How Consumers Became Aware of CFLs

When respondents aware of CFLs were asked how they first heard about CFLs, they mentioned advertising more than any other source. The proportion of respondents citing television, news, or Internet advertisements as the source of first awareness increased from 28 percent in 2004 to 42 percent in 2005. There was little change among other sources between 2004 and 2005. The next most common source of awareness of CFLs was word-of-mouth (15%) followed by information from their utility (11%).

5.3.3 When CFL Purchases Have Occurred

Figure 5-3 below shows two distributions for CFL purchasers. The first column of the series indicates the year that CFLs were purchased *for the first time*, and the second column the year that CFLs were *most recently purchased*. As shown, nearly two-thirds of purchasers bought CFLs in 2005 – and nearly one-third (or half of all 2005 purchasers) bought them for the first time ever in 2005. As was the case in 2004, half of all CFL purchasers bought their first CFLs within the past 2 years – and nearly 90 percent bought them within the last 4 years.

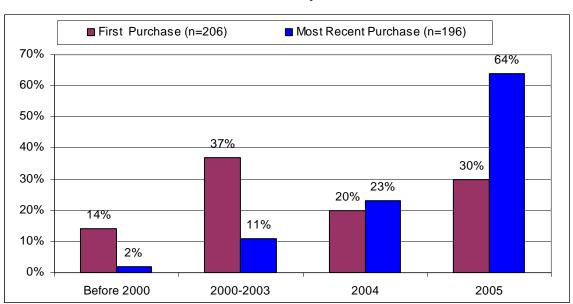


Figure 5-3
Date of First CFL Purchase and Date of Most Recent CFL Purchase,
Purchasers Surveyed in 2005

We found that whether a purchaser bought CFLs for the first time in 2005 or not made a difference in purchaser behavior (for example, new purchasers paying less per CFL). Likewise, whether a purchaser bought CFLs at all in 2005 or not made a difference in satisfaction with CFLs and future CFL replacement and purchase intentions. To present these differences throughout the remainder of this section, these purchaser segments are referred to as:

- New purchasers purchasers who bought CFLs for the first time in 2005 (versus prior purchasers); and
- 2005 purchasers purchasers who bought CFLs in 2005 (versus non-2005 purchasers).

5.3.4 Where CFLs Have Been Purchased

As shown in Figure 5-4, just under half (42%) of purchasers reported that at least one of their past CFL purchases was made in a Do-It-Yourself (DIY) store such as Home Depot or Lowe's. The next most common place where CFLs are purchased is discount department stores such as K-Mart and Wal-Mart (23%), followed by hardware stores (18%) and warehouses such as Costco and Sam's Club (11%). Compared to 2004 results, purchasers are now more likely to have bought CFLs at hardware stores and less likely at DIY stores and warehouses.

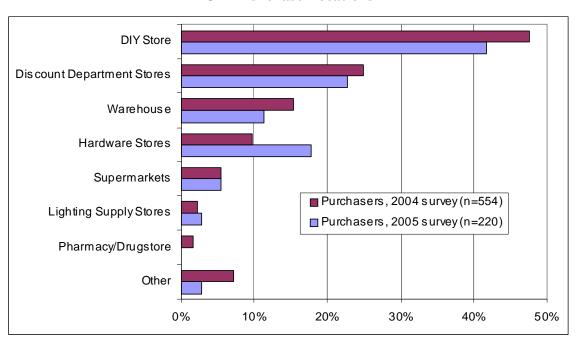


Figure 5-4 CFL Purchase Locations

5.3.5 Why Respondents Chose CFLs

CFL purchasers were asked why they chose CFLs over regular light bulbs. Figure 5-5 compares 2004 to 2005 survey results. As shown, saving or conserving energy is the most commonly cited reason (cited even more often in 2005), followed by reducing electricity bill.

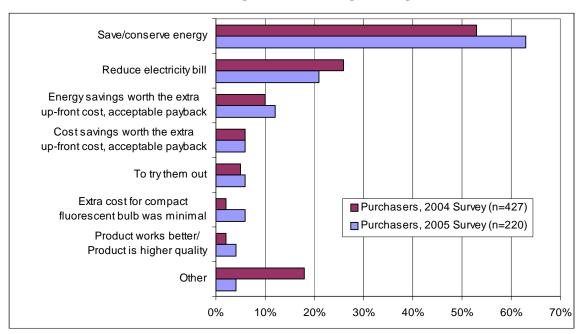


Figure 5-5
Reason for Choosing CFLs over Regular Light Bulbs*

In 2004, Montana and Idaho residents were more likely to buy CFLs based on friend and family word-of-mouth (versus saving electricity). Currently, there are no geographical differences in CFL purchase motivations.

5.3.6 General Purchaser Statistics

Table 5-2 presents a summary of CFL purchase statistics among all CFL purchasers surveyed in 2004 and 2005, and for new purchasers (who bought their first CFL in 2005).

As shown, as of November 2005, one-third of purchasers reporting having received a CFL coupon in the mail, and on average purchasers have bought CFLs on 5 occasions. On average, purchaser households bought nearly 9 CFLs in 2005. On average, consumers recall paying about \$6 per CFL³ on their most recent purchase (refer to Figure 5-3 for the distribution of the "most recent purchase"). Significant changes from 2004 include a major drop in self-reported CFL price and an increase in the number of CFLs purchased. The percentage of purchasers that report receiving a coupon in the mail also increased from 2004 to 2005, from 22 to 35 percent.

of bulbs. Self-reported consumer CFL price data is unreliable because of the multi-pack issue and other issues including difficulty in recalling small purchases such as these.

^{* 2005} question wording: "Thinking about your most recent purchase, why did you choose CFLs as opposed to regular light bulbs?"; 2004 question wording: "Why did you purchase CFLs?"

³ We specifically asked respondents about the price they paid *per bulb*, but some may still provide the price per pack

We found small differences between new purchasers (i.e., purchasers who bought CFLs for the first time in 2005) and prior purchasers (i.e., purchasers who bought CFLs prior to 2005), with new purchasers paying less per CFL (recall that by definition, new purchasers' most recent purchase occurred in 2005).

Table 5-2 CFL Purchase Statistics, 2004 and 2005

	All Pur		
Purchase Statistics	2004 Survey (n=554)	2005 Survey (n=220)	New Purchasers (n=61)
Received CFL coupon in the mail ever	22%	35%	35%
Mean number CFL purchase occasions ever	4.4	5.1	3.3
Mean number CFLs purchased in past year	5.7	8.6	7.7
Mean per-bulb CFL price during most recent purchase	\$10.50	\$6.20	\$5.30
Promotion during most recent purchase	*	28%	26%

^{*} Data not collected in 2004.

We found some differences in purchase statistics (based on 2005 survey data) across the following consumer segments:

- Purchasers who bought CFLs specifically in the fall of 2005⁴ tended to buy more CFLs in 2005 (14 on average) and paid less for them per bulb (\$4.60 reportedly per bulb⁵) likely reflecting the SWAT promotion, which was more heavily promoted in the fall in conjunction with the national ENERGY STAR fall lighting campaign. (Purchasers who did not buy CFLs in the fall of 2005 paid on average \$6.90 and bought 6 bulbs on average.)
- Those that are less concerned about preserving the environment paid less for their most recently purchased CFLs than those who are concerned. Figure 5-6 illustrates this relationship. Recall the prior finding that concern for energy and the environment was correlated with CFL awareness and purchases. This result suggests that low promotional prices were effective in getting those unconcerned about the environment to buy CFLs.

⁴ Respondents were asked: "When was your most recent CFL purchase? Would you say it was...in the fall?" If respondents said yes, they were assumed to have bought CFLs in the fall of 2005. If no, they were prompted with: "Within the last year?" and so forth.

⁵ Notably, only 17 percent of fall 2005 purchasers said they paid \$1 or less per bulb (even though CFLs were available through the SWAT promotion for \$1 or less). The most commonly cited price paid by fall 2005 purchasers was \$4 per bulb, which might reflect respondent error in reporting the price for a 4 pack of CFLs, which was sold for \$4.79 by a major retailer participating in the promotion (which accounted for one-third of promotional sales).

■ Mean Bulb Price During Most Recent Purchase \$5.65 \$6.00 \$5.00 \$3.67 \$4.00 \$2.86 \$3.00 \$2.00 \$1.00 \$0.00 Not very Neutral Concerned concerned (3 rating) (4 or 5 rating) (1 or 2 rating)

Figure 5-6
Concern with Energy Conservation/Environmental Preservation
vs. Price Paid for Bulb During Most Recent Purchase

• CFL purchasers who made their most recent purchase during a promotion are more likely to be storing CFLs – suggesting that the lower promotional bulb prices may have encouraged consumers to buy more than they immediately planned to install. Table 5-3 illustrates this finding.

Table 5-3
Storage of CFLs by Promotional Bulb Purchase

Promotion during most recent purchase	% of Purchasers storing CFLs	Avg. # of CFLs in storage, of those who are storing	n
Yes	72%	6.3	78
No	54%	3.6	180

- Over half of Montana purchasers surveyed in 2005 reported having received a coupon (versus 8 percent in 2004) – likely reflecting a Northwestern Energy rebate promotion in Montana, which included mass mailings of CFL coupons. Table 5-4 shows the 2004 and 2005 findings for this survey question by state.
- Purchasers in Idaho bought CFLs on fewer occasions and bought fewer CFLs in 2005, and paid a lower price (\$3.30 reportedly per bulb) for their most recent CFL purchase. Table 5-4 shows these results by state.

^{*} Question wording: "How much do you disagree or agree with the following statement... It is worth it to me for my household to use less energy in order to help preserve the environment?" n=76.

Table 5-4
CFL Bulb Purchasing Behaviors by State

	State			
	ID	MT	OR	WA
Purchasing Behavior	(n=37)	(n=40)	(n=91)	(n=155)
Mean Number of CFL Purchase Occasions	2.9	6.2	5.4	5.2
Mean Number of Bulbs Purchased in 2005	4.5	8.9	8.9	9.1
Mean Bulb Price During Most Recent Purchase	\$3.33	\$9.67	\$7.07	\$5.69
Ever received a coupon in the mail for a discount				
on the purchase of CFLs – 2005 survey	10%	51%	22%	27%
Ever received a coupon in the mail for a discount				
on the purchase of CFLs – 2004 survey	14%	8%	25%	25%

5.4 CFL DISPOSITION

This section presents results on CFL installation, storage and removal for all CFLs that purchaser households have acquired over time. Table 5-5 compares 2004 to 2005 disposition results. As of November 2005, purchaser households on average have 6 CFLs currently installed, with an additional 2 CFLs in storage. The average number of CFLs installed *per purchaser household* has increased from 5 CFLs in 2004 to 6 CFLs in 2005.

Note that as the purchaser base has nearly doubled, the average number of CFLs installed across *all households* has also doubled from 1.7 to 3.5 bulbs. However, percentages of installed versus stored and removed bulbs have not changed.

⁶ These values are equal to the average number of CFLs installed per purchaser home multiplied by the purchaser base.

5-11

Table 5-5
Bulb Disposition for Purchaser Homes,
2004 and 2005

	All Purchasers			
	2004 Survey (n=554)		2005 Survey (n=220)	
Disposition of All Bulbs Ever Acquired	Mean	%	Mean	%
Bulbs currently installed per purchaser home ⁷	5.2	71%	6.1	70%
Bulbs ever removed per purchaser home	0.3	4%	0.3	4%
Bulbs currently stored per purchaser home	1.8	25%	2.3	26%
Total number of bulbs ever acquired per home	7.3	100%	8.7	100%
Purchaser base	32%		58%	

We did not find any differences in the 2005 CFL disposition results (i.e., installation, storage and removals) for new versus prior purchasers or 2005 versus non-2005 purchasers. Recall from above that we did find that purchasers who bought CFLs during a promotion are more likely than non-promotion purchasers to be storing CFLs. Promotional purchasers were not tracked in 2004, so we are not able to determine whether storage as a result of promotional purchases has changed over time.

Approximately 16 percent of purchasers surveyed in 2005 and 14 percent of purchasers surveyed in 2004 indicated that they have removed one or more CFLs that they did not use elsewhere in their homes. The most commonly cited reason was that bulbs were not bright enough, followed by bulb burnout, dissatisfaction with bulb color, and too long of a start up time. This ranking stayed the same from 2004 to 2005.

5.5 Satisfaction with CFLs

This section describes several indicators of satisfaction with CFLs:

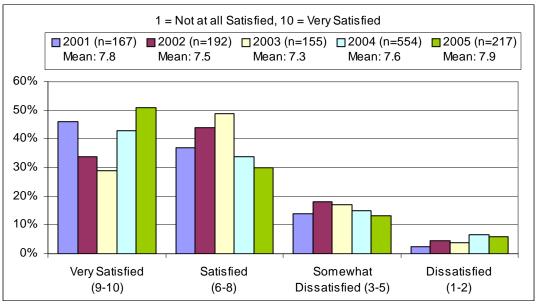
- General satisfaction with CFLs;
- Satisfaction with CFL attributes;
- Likelihood of CFL to CFL replacement; and
- Best features of CFLs.

⁷ Note that in Market Progress Evaluation Report 1, 2005, the mean number of CFLs installed was shown for homes with CFLs installed (6.5 CFLs), which was a subset equal to 81 percent of purchaser households. In this table, we show CFL disposition statistics across all purchaser homes, not just those with CFLs installed (87%).

5.5.1 General Satisfaction

Survey respondents were asked to indicate their level of general satisfaction with CFLs on a tenpoint scale, with 1 being "not at all satisfied" and 10 being "very satisfied." In the last Consumer Products MPER⁸, we noted that overall satisfaction had rebounded in 2004 from a decline between 2001 and 2003. The 2005 findings support this trend, with another small increase in overall satisfaction from 2004 to 2005 (Figure 5-7).

Figure 5-7 General Satisfaction with CFLs Over Time All Purchasers, 2001 through 2005



Sources: ECONorthwest 2004 and KEMA 2005.

Figure 5-8 shows the overall satisfaction result for all purchasers (based on the 2005 survey), 2005 purchasers and non-2005 purchasers. As shown, 2005 purchasers are more satisfied. This is likely because dissatisfaction with CFLs is a driver of why a household that has purchased CFLs in the past did not purchase any more CFLs in 2005 (making them a non-2005 purchaser).

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⁸ Market Progress Evaluation Report 1, 2005, KEMA Inc.

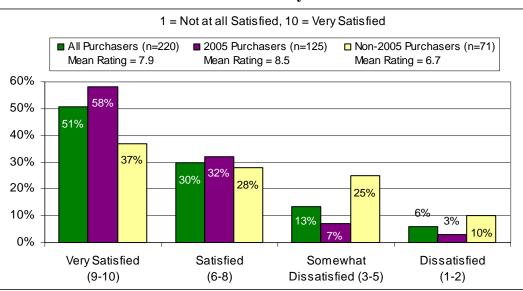


Figure 5-8 General Satisfaction with CFLs, 2005 Survey

Respondents who are concerned about how much energy they use in their homes were more likely to be satisfied, which is intuitive since they are more likely to be satisfied with the energy savings associated with CFLs. Likewise, we found that fall 2005 purchasers had higher general satisfaction with their CFLs. Recall from above that fall 2005 purchasers also bought more CFLs and paid less for them. Their higher satisfaction might be due to the greater value they received from their purchase.

5.5.2 Satisfaction with CFL Attributes

The 2005 survey also asked purchasers to rate their satisfaction with specific CFL attributes on a 1 to 5 scale, with 1 being "not at all satisfied" and 5 being "very satisfied". These ratings are moderate to high and have not changed significantly from 2004 to 2005, as shown in Table 5-6. There are no differences in satisfaction with CFL attributes across purchaser segments.

Table 5-6 Satisfaction with Specific Bulb Attributes, 2004 and 2005 1=Not at all Satisfied, 5=Very Satisfied Mean Rating

	All Purchasers		
	2004 Survey	2005 Survey	
Bulb Attribute	(n=554)	(n=220)	
Ability to work with dimmer and 3-way applications	3.5	3.2	
Fixture appearance	3.8	3.8	
Brightness of light	3.9	4.0	
Color of light	4.0	4.0	
Light up time	4.0	3.8	
Light fixture fit	4.0	4.2	
How long they last	4.3	4.4	

5.5.3 CFL-CFL Replacement

Purchasers were asked to indicate how likely they would be to replace existing CFLs with new CFLs upon burnout. As discussed at the beginning of this section, this result feeds one of the projects goals that relates to CFL satisfaction and persistence of CFLs as a technology. Likelihood was rated on a five-point scale, with 1 being "not at all likely" and 5 being "very likely." As shown in Figure 5-9 below, the percentage of purchasers who are "not unlikely" (i.e., rated their likeliness a 3, 4 or 5) to replace CFLs with CFLs increased from 75 to 80 percent from 2004 to 2005. These results are consistent with the fairly high overall satisfaction ratings, which improved slightly from 2004 to 2005.

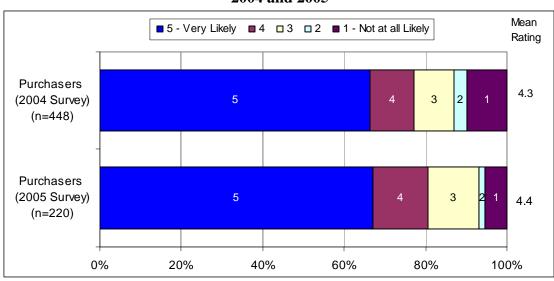


Figure 5-9
Likelihood of Replacing CFL with CFL Upon Burnout,
2004 and 2005

Consistent with the overall satisfaction ratings, we found that 2005 purchasers are more likely to intend to replace burnt-out CFLs with new CFLs in the future than purchasers who did not buy any CFLs in 2005 (Figure 5-10). Again, this is probably due to non-2005 purchasers as a group being less satisfied with CFLs. We found no difference in replacement intentions for new purchasers versus prior purchasers, supporting the finding above that new purchasers are equally as satisfied with CFLs as purchasers in general.

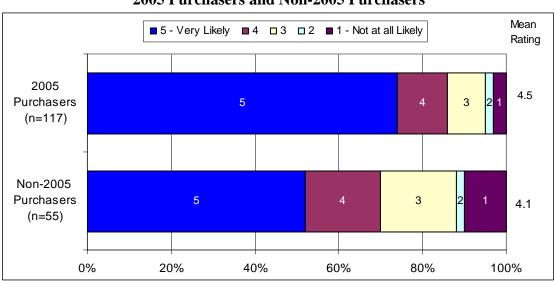


Figure 5-10
Likelihood of Replacing CFL with CFL Upon Burnout,
2005 Purchasers and Non-2005 Purchasers

We also found that CFL to CFL replacement intentions were correlated with satisfaction with certain CFL attributes, including color of light, brightness and how long they last. These results suggest that these attributes in particular impact whether new CFLs will be used to replace old ones. These same attributes, plus how they look in fixtures and applicability with dimmer and 3-way applications, were important based on 2004 survey results with regard to predicting general satisfaction with CFLs.

5.5.4 Best Features of CFLs

Figure 5-11 shows purchaser opinions on what are the best features of CFLs. The most commonly cited feature was CFLs lasting longer, followed by saving or conserving energy. Interestingly, the "best" feature (lasting a long time) was not cited by respondents as the reason for buying CFLs (Figure 5-5). This result may suggest that the longer lifetime associated with CFLs is a benefit that purchasers realize after their purchase.

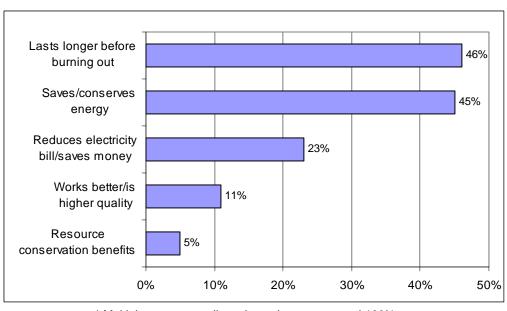


Figure 5-11 Best Features of CFLs*†

* Multiple responses allowed; results may not total 100%. † Question wording: "In general, what are the best features of CFLs?"

5.6 FUTURE CFL PURCHASES

This subsection presents results on stated future CFL purchase intentions – for both purchasers and non-purchasers. These results are forward-looking and will help forecast the purchaser base for 2006. Moreover, these results will explore drivers of and barriers to both expanding the purchaser base and expanding holdings among current purchasers. As such, the three population segments that were introduced at the beginning of this section (Purchaser, Aware Non-Purchaser, and Unaware) are used throughout.

5.6.1 Likely Future CFL Purchases Within a Year

Figure 5-12 shows the distribution of responses to the question: How likely are you to purchase any CFLs in the next year? Respondents used a scale from 1 to 5 with 1 meaning "not at all likely" and 5 meaning "very likely". Respondents who were unaware of CFLs prior to the survey were first read a description of CFLs⁹ prior to being asked this question (and are referred to in subsequent figures as "informed unaware"). As shown, responses differ across the three segments, with purchasers (not surprisingly) being the most likely to intend to buy CFLs in 2006. Aware non-purchasers are the least likely.

When compared with aware respondents (purchaser + aware non-purchaser), unaware respondents are less likely to intend to buy CFLs in the future – even once informed about the benefits of CFLs and their current market conditions. (Purchasers and aware non-purchasers might actually be less informed at this point in the survey, since they have not been read the same description as unaware consumers.) This result reinforces the earlier finding that indeed, consumers who are unaware of CFLs are less likely to be concerned with energy efficiency and the environment and thus less likely to have bought CFLs or intend to buy them in the future.

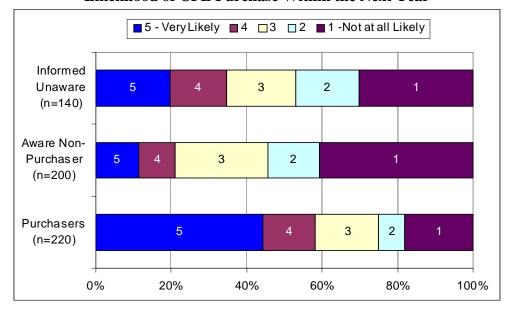


Figure 5-12 Likelihood of CFL Purchase Within the Next Year

⁹ The description is as follows: "CFLs use two-thirds less energy than a standard bulb, and last up to 10 times as long. Some styles of CFLs are available for \$2 or less – and they are about the same size and color as a standard bulb and can be installed in almost any fixture where you would put a standard bulb. They can be purchased at the same places you purchase standard bulbs, including some drug and grocery stores. CFLs save about \$30 in electricity costs over the life of the bulb. By using less energy, CFLs also help the environment."

The 2005 survey results indicate that the fraction of purchasers inclined towards future CFL purchase has increased from 69 to 75 percent since 2004. This is consistent with the time series results for satisfaction and CFL to CFL replacement intentions as well. Likewise, we found that 2005 purchasers have slightly more favorable purchase intentions than non-2005 purchasers (80% versus 61% are likely). New purchasers were no different than prior purchasers. These results are once again consistent with the findings above with regard to differences among purchasers over time: prior purchasers who are still purchasing are more satisfied and more likely to keep buying CFLs than prior purchasers who have not purchased CFLs in a year or more.

Intuitively, these results are correlated with CFL to CFL replacement results, overall satisfaction with CFLs, and all attitudinal segments – in that consumers with more favorable future CFL purchase intentions are also more likely to:

- intend to replace CFLs with CFLs upon burnout;
- be satisfied with CFLs in general; and
- be more concerned about energy usage, the environment and operating costs.

Likely Future CFL Purchases Within a Year – With Current CFL Market Information

As described at the beginning of this subsection, consumers who had never heard of CFLs prior to the survey were read a description of CFLs before being asked about their future purchase intentions. We read this same description to unlikely future CFL purchasers and then asked them again about their future purchase intentions. The intent was to ascertain future purchase intentions based on respondents being aware of the current market conditions for CFLs (since although they have heard of CFLs, they may not be basing their responses on the most current information).

The first bar of Figure 5-13 depicts the breakdown of *initially* unlikely respondents between ratings of 1 and 2 ("Unlikely future purchasers, before hearing description") – essentially the distribution of unlikely responses for aware respondents from Figure 5-12 above.¹⁰ After hearing the description, the percentage of consumers that are unlikely to purchase drops substantially (the second bar of Figure 5-13).

These results suggest that lack of complete understanding of the current CFL market and the benefits of CFLs is impeding purchases. Furthermore, people are not aware of their lack of knowledge of the product. Only about twenty percent (as compared to the 42 percent who changed their minds after learning more about the product) of unlikely but aware respondents said that they did not know enough about the product to make a decision.

¹⁰ Note that "unaware" consumers were excluded from this analysis, since their initial future purchase intention response was based on the CFL descriptions (i.e., current market conditions).

There were no statistically significant differences across purchaser segments, probably as a result of small sample sizes – but 2005 purchasers were more likely to change their mind (53%) than non-2005 purchasers (30%).

■ 1 -Not at all Likely
■ 2
□ 3
□ 4
■ 5 - Very Likely Unlikely Future Purchasers, Before 74% 26% Hearing Description (n=156)Unlikely Future Purchasers, After 36% 13% 19% 10% 13% Hearing Description (n=141)0% 20% 40% 60% 80% 100%

Figure 5-13
Future Purchase Intentions of Initially Unlikely CFL Purchasers
Before and After Hearing CFL Description*

Combined Likely CFL Purchases Within a Year

Figure 5-14 below combines the previous two figures, showing the likely future CFL purchases for the population, incorporating those who changed their mind. We show results for the 3 population segments used in Figure 5-12, but have split purchasers into 2005 and non-2005 purchasers, since they are so different. Note that the frequencies in the chart sum to 100 percent and reflect the distribution of the entire population.

^{*} Results shown for "Unlikely Future Purchasers, After Hearing Description" do not total 100% because 9 percent responded, "Don't Know."

[†] Note: Fifteen of the "Unlikely Future Purchasers, Before Hearing Description" were not read the description because these respondents are storing CFL bulbs and thus did not continue to the follow-up question.

■ Likely to purchase ■ Changed mind, now likely to purchase □ Remains unlikely Informed 7% 6% Unaware Aware Non-14% 8% 8% Purchaser 2005 30% 5% 3% Purchaser Non-2005 13% 3% 5% Purchaser 0% 10% 20% 25% 30% 35% 40% 5% 15%

Figure 5-14 Combined Likelihood of CFL Purchase Within the Next Year - by Segment

n = 560.

Figure 5-15 shows the same data shown above in Figure 5-14, but in summary format across the population. As in Figure 5-14, these results are based on consumers being informed about the current market conditions for CFLs – i.e., unaware being made aware, and aware that were initially unlikely to buy CFLs in the future being provided with a market update. In Figure 5-15, "Holdouts" are consumers that have never purchased CFLs and likely never will. "Continuing purchasers" are consumers who are prior purchasers and likely to continue purchasing CFLs. "No longer purchasers" are prior purchasers who do not plan to buy them in the future. And "potential purchasers" are non-purchasers that potentially will buy them in the future.

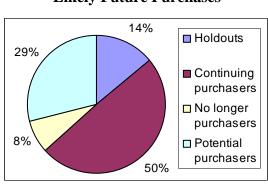


Figure 5-15 Likely Future Purchases

n = 560.

The following two subsections discuss barriers to purchase – for unlikely future purchasers – and motivations for purchases – for both likely future purchasers (why they are likely) and unlikely (what if anything will motivate them).

5.6.2 Barriers to Future CFL Purchases

Figure 5-16 shows the reasons unlikely future purchasers gave for being unlikely to buy CFLs within the next year. As shown, reasons varied by population segment. CFL price, availability and product diversity barriers that historically the Alliance and other stakeholder initiatives have addressed are not cited with much frequency. Another barrier that has decreased substantially over time and is not included in this particular analysis is lack of awareness – which now only impacts 13 percent of the population.

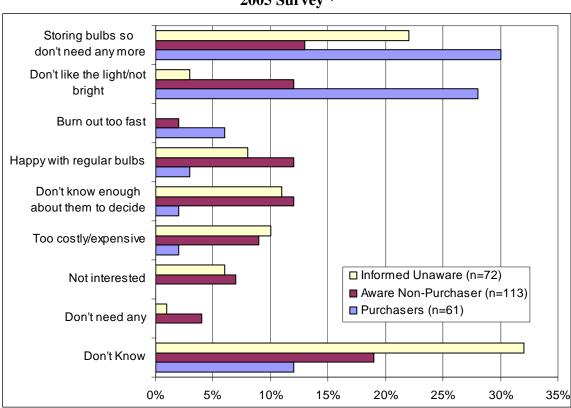


Figure 5-16
Reasons for Being Unlikely to Purchase CFLs Within the Next Year, 2005 Survey *

* Multiple responses allowed; results may not total 100%

In 2004, Montana and Idaho residents were more likely to "be happy with regular bulbs" than Oregon and Washington residents. By 2005, geographic differences do not exist with respect to barriers to future CFL purchases.

Informed Unaware

The half of "informed" unaware respondents who are unlikely to buy CFLs in the future were most likely to say they did not know why – perhaps not surprisingly since they first learned about CFLs during the interview. Of those that provided a reason, storing bulbs (presumably incandescent bulbs) and not knowing enough were the top two reasons, closely followed by CFLs being too expensive and being happy with regular bulbs.

Aware Non-Purchasers

Aware non-purchasers have a mixed bag of barriers – with each of the following barriers (in order of importance) stated less than 15 percent of the time:

- storing bulbs (again, presumably incandescent bulbs) so do not need any more;
- do not know enough about the product to decide;
- do not like the light or the brightness;
- happy with regular bulbs; and/or
- too expensive.

Purchasers

For the 14 percent of purchasers who are unlikely to buy CFLs in the future, storing bulbs (presumably CFLs) and dissatisfaction with CFL light color or brightness were the two top reasons cited. Storing CFLs as a barrier to future purchases has increased from 25 percent in 2004 to 30 percent in 2005. However, this change is not statistically significant.

Notably, the CFL cost barrier has come down from 26 percent in 2004 to 2 percent in 2005. However, this comparison is not consistent between the 2 years. In the 2005 survey, unlikely future purchasers were prompted with a CFL market update, including a reminder that CFLs are available at \$2 or less. In 2004, unlikely future purchasers were not provided with such an update. So presumably 2004 results include a mix of unlikely future purchasers – those that were aware that CFLs are available at \$2 or less and those that thought they were more expensive. In any case, these results show that at \$2 or less, price is not a barrier to future purchases for current purchasers.

5.6.3 Motivations for Future CFL Purchases by Non-Purchasers

Likely future purchasers who have not yet purchased a CFL were asked to describe why they intend to buy CFLs in the coming year. The most commonly cited reason was to save energy, followed by saving money and the fact that CFLs last a long time. Some were curious to try them after hearing about them during the survey. Finally, some mentioned that CFLs cost less than they thought. The top three reasons given are consistent with purchasers' reasons for buying CFLs in the first place, and with their opinions regarding the best features of CFLs.

Unlikely future purchasers were asked whether anything at all would motivate them to buy CFLs in the future. As shown in Figure 5-17, over one-third said nothing would. Among those that cited a possible motivation, the most common motivation is a cheaper price followed by being convinced of the savings potential. Interestingly, cost and energy savings concerns were not cited very often as barriers to purchase (see Figure 5-12). These results suggest that when CFLs are very cheap, consumers may be able to set aside some of their concerns and buy them anyway.

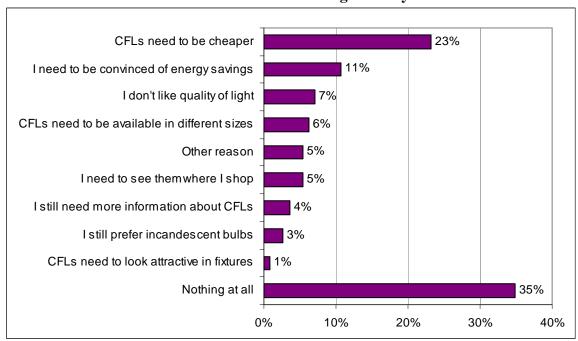


Figure 5-17
Possible Future Purchase Motivations Among Unlikely Future Purchasers*

5.7 SUMMARY OF FINDINGS

Major shift in the market

The Northwest consumer lighting market has experienced major change over a period of one year. Notable changes in the market that occurred from the fall of 2004 to the fall of 2005 include:

- The percent of consumers who have ever purchased a CFL has increased from 32 to 58 percent;
- The percentage of consumers who bought CFLs in 2005 was 37 percent, compared to 19 percent who bought them in 2004;
- The percentage of consumers who bought CFLs for the first time in 2005 was 18 percent, compared to 12 percent who bought them for the first time in 2004;

^{*} Multiple responses allowed; results may not total 100%. n = 112.

- The average number of CFLs purchased per household increased from 6 to 9 CFLs from 2004 to 2005;
- Awareness increased from 68 to 87 percent;
- Price paid per bulb decreased¹¹; and
- Price is not a barrier to continued purchases for current CFL purchasers, as long as CFLs cost \$2 or less and current purchasers are aware of their cost. (In 2004, 26% of purchasers who were unlikely to buy them in the future cited price as a barrier. It is uncertain whether some or all of those respondents were aware that CFLs were available at some stores for \$2 or less.)

The Savings with A Twist promotion's effect on price likely contributed to the shift in the market from 2004 to 2005

The percentage of both first-time and repeat CFL purchases increased from 2004 to 2005. In 2004, the high price of CFLs was cited as a barrier by both non-purchasers and prior purchasers who were unlikely to buy them again. The SWAT promotion got CFLs stocked in prominent locations in a wide variety of store locations region wide – and offered them for sale at low promotional prices (mostly 99 cents). It is likely that the promotion's low prices helped increase the rate of both first-time and repeat purchasers.

Higher volume of purchases did not lead to a drop in the CFL installation rate

The increase in CFL purchases per household has not had an adverse effect on the incidence of CFL storage. Households that have purchased CFLs on average are storing 26 percent of all CFLs they have acquired over time – statistically unchanged from 25 percent in 2004.

However, purchasers that bought CFLs during a promotion have higher storage rates (and a higher number of CFLs in storage) than non-promotion purchasers.

A slight improvement in CFL satisfaction, future purchase intentions and CFL to CFL replacement intentions

General satisfaction with CFLs, future CFL purchase intentions and CFL to CFL replacement intentions all improved slightly from 2004 to 2005. In fact, the Alliance met its revised CFL satisfaction goal – with 80 percent of purchasers being "likely" to replace burnt-out CFLs with new CFLs. The fraction of CFLs that purchasers remove stayed the same from 2004 to 2005. New purchasers in 2005 were equally as satisfied and had similar future purchase and CFL to CFL replacement intentions as prior purchasers. Notably, prior purchasers who did not buy CFLs

5 - 25

¹¹ Consumer self-reported price data are unreliable. However, they are useful to determine order of magnitude of changes over time. The shelf survey data that are being collected as part of this project have been used to estimate change in price from 2004 to 2005.

in 2005 (one-third of purchasers) were less satisfied across the board and less inclined to use CFLs in the future.

No change in CFL purchase motivations

Purchasers continue to cite energy savings and saving money as primary reasons for buying CFLs – while the fact that CFLs last longer than standard bulbs is cited most often as their "best feature". This finding suggests that the longer life of CFLs over standard bulbs could be promoted as a selling point.

Increasing CFL purchases from 2005 levels depends on CFL promotions and prices in 2006

Over half (57%) of consumers say they will buy CFLs next year. Another 21 percent might also buy them, if they are made aware of them and informed about their current market conditions. The actual purchase rate in 2006 will depend on what happens to CFL prices after promotions end and whether CFL awareness continues to increase. There is evidence from the 2005 survey that when CFLs are sold at low promotional prices, consumers will buy them even when they have concerns about them and are not all that motivated by their energy savings potential. This effect likely contributed to the substantial increase in the purchaser rate from 2004 to 2005, and to favorable purchase intentions for 2006.

Nearly one-quarter of the population may not buy CFLs next year (or ever), regardless of price

Most of this segment is comprised of non-purchasers, who even once made aware of and informed about the current market for CFLs is not interested in buying them. Barriers to purchase for this group include:

- Do not need CFLs (32%);
- They are too costly at \$2 or less each (23%);
- Do not like their light or brightness (18% of which only one-third has actually tried them);
- Need more information (14%);
- They need to make them in more sizes (9%).

This segment also includes consumers who have bought CFLs in the past – some are storing them and do not need any more (30%), and others who are not storing any cite the same barriers as non-purchasers (described above). Notably, purchasers who did not buy CFLs in 2005 who are in this segment are less likely to be storing CFLs and more likely to cite one of the barriers listed above.

The rate of CFL awareness and purchase is now the same region-wide

From 2004 to 2005, the percentage of residents in Idaho and Montana that are aware and have purchased CFLs increased – such that rates are now the same in all four Northwest states. Likewise, previous regional differences in drivers of and barriers to CFL purchase also no longer exist.

LIGHTING SHELF SURVEY RESULTS

6.1 Introduction

This section presents results from a shelf survey with 70 Northwest lighting retailers conducted in November 2005. The shelf survey was intended to collect a detailed inventory of lighting products from a sample representing the population of stores that sell CFLs in the region. These sites are a sub-sample of the 73 retailers that were visited in the spring of 2005 for MPER1.

First, we present an overview of our analysis approach, and then we report results on CFL affordability, availability and product diversity. A final section presents the sample sizes for all exhibits shown in this section.

6.2 ANALYSIS APPROACH

The main shift in presentation of shelf survey results from MPER1 to MPER2 concerns the CFL affordability data. In MPER1, we summarized shelf inventory pricing data to show the affordability of various CFL product categories. In this report, we have applied sales weights to the inventory data in order to generate estimates of the average price paid per bulb by consumers.

As such, we have updated some of the reporting conventions used in MPER1 as follows:

- **Store categories**. Store type categories have been updated to match those used in Alliance CFL sales reports, from which sales weights were developed:
 - o Warehouse (club membership stores like Costco);
 - Mass merchandise (large chains such as Wal-Mart, K-Mart, Target and Fred Meyer);
 - Do-it-Yourself (national chain hardware stores such as Home Depot and Lowe's);
 - o Drug and grocery; and
 - Small hardware (independent, franchise and small regional chain hardware stores).
- **CFL styles**. Bulb style categories have been modified slightly¹ to match current conventions used by the ENERGY STAR[®] and other lighting programs:
 - o Twister

-

¹ The "incandescent style" and globe bulbs were combined into "Covered". "Replacement pin" is renamed "pin-based". The categories 2- and 4-tube were combined into one "tube" category. Spot lights were collapsed into the "Other" category, which already contained specialty style bulbs.

- Non-Twister
 - Tube
 - Circle-line
 - Covered
 - Other (spot and specialty bulbs, such as dimmable, 2D, 3-tube, and full spectrum)
 - Reflector
 - Pin-based
 - Three-way²
- Wattage categories. Wattage categories were revised to be consistent with the category of CFLs promoted by the Alliance in the fall: less than 18 watt, 18-30 watt and over 30 watt.

To allow the reader to compare results over time, we have analyzed and reported spring 2005 shelf inventory data (from MPER1) side-by-side with fall 2005 (MPER2) results, applying the new conventions used in this report.³ We have also added a geographic subsection to each of the main sections below to discuss geographic differences and changes in geographic differences from spring to fall, since the project specifically focused on smaller markets in 2005.

6.3 AFFORDABILITY

The shelf survey collected price data for each bulb model observed. Price (before and after rebate) was recorded for each pack of bulbs (or individual bulb) along with the number of bulbs in each pack. Note that throughout the results we present "after-rebate" prices. The difference in price between spring and fall shows the reader the effect of the fall promotions (which include the SWAT promotion and any utility, retailer or manufacturer promotions) on CFL prices.

In this affordability section, we separated CFL styles into "twister" and "non-twister" categories – since the predominant bulb type that is promoted by utilities and the Alliance is the twister-style bulb. Non-twister style bulbs are less available and more expensive. Within each of these categories, we analyzed price data by many variables to determine key drivers of variation in price. We determined that store type, style of bulb and wattage (for twisters only) were the predominant variables with regard to price. As such, our presentation of results includes the following:

³ Note that the survey methodology used in the fall survey was almost identical to that used in the spring of 2005. Refer to MPER1 Section 3 for detail on the sample frame.

² The "three-way" category includes three-way twisters and other three-way styles. These were grouped under "Non-Twister" because their availability and price makes them more similar to specialty bulbs than to standard twisters.

- Twister style bulbs by wattage and store type; and
- Non-twister style bulbs by bulb style and store type.

We also developed estimates of the average twister, non-twister and overall CFL price paid by consumers using the sales weights described above.

6.3.1 Twister Style Bulbs

This section presents CFL pricing data for twister-style bulbs (twisters). Also known as spirals, these small open-configured CFLs are by far the most commonly stocked and sold CFL style. They are the cheapest to manufacture and are the most popular with consumers due to their fit in most fixtures, low retail price and wide availability. The Alliance's SWAT promotion specifically promoted this style of bulb because it was widely available and there were numerous PEARL approved models that could be included in the promotion. The twister bulbs are also very adaptable to numerous applications within the home.

A wide range of stores stock twisters – and most stores offer at least one model for under \$2.00 (during the spring and fall). Twisters are available in a variety of wattages suitable for replacing incandescent bulbs from 40 to 150 watts. Most twisters found on store shelves are in the 13 to 26 watt range. The SWAT promotion focused on CFLs that are at least 18 watts to try to ensure consumers are satisfied with the light levels of their CFLs. Most CFLs less than 18 watts are not bright enough for the typical residential application, which uses between a 60 and 100 watt incandescent bulb.

By Store Type and Wattage

Twister price data have been categorized by store type and wattage category (both described above). In general, the higher the wattage, the higher the price. Likewise, the range in prices varies by store type – which is for the most part correlated with the number of models stocked (i.e., a wider range of price is correlated with a larger number of models stocked).

Figure 6-1 shows the average number of less than 18-watt twister models stocked per store, by store type. As shown, warehouse stores on average stock only one model of twisters less than 18 watts. Do-it-Yourself (DIY) stores stock the most – since they specialize in lighting and attempt to offer the widest array of product for a range of shoppers. From spring to fall there was little change in inventory, with the exception of an increase in models stocked by mass merchandise stores.

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⁴ Note that 3-way, dimmable and full spectrum twister-style bulbs were grouped under "Non-Twister" because their availability and price makes them more similar to specialty bulbs than to standard twisters.

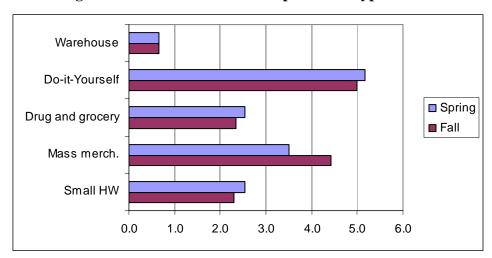


Figure 6-1
Average Number of Twister Models per Store Type: <18 Watts

Figure 6-2 shows the range in prices for less than 18-watt twisters by store type. The lower bound of the range is the minimum priced model found at a given store type, the circle is the average price across models and the upper bound is the maximum priced model. For example, in the fall, across all less than 18-watt twister models on shelves at DIY stores in the Northwest⁵, the lowest price was \$1.66 and the highest price was \$5.99. The average price across all models stocked by DIY stores was \$4.12. Some drug and grocery stores gave away less than 18-watt twisters in the fall, when the rebate (presumably a utility, retailer or manufacturer rebate, since the SWAT promotion only targeted twisters greater than 18 watts) was taken into account.

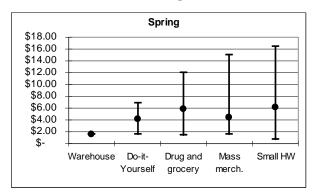


Figure 6-2
Range of Twister Prices by Store Type: <18 Watts

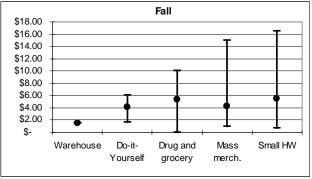


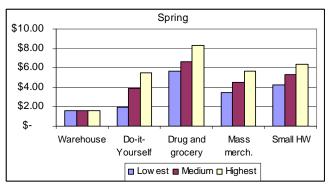
Figure 6-2 does not mean that every resident in the Northwest was able to buy a less than 18-watt twister at a DIY store for \$1.66. Instead, the \$1.66 reflects the lowest-priced less than 18-watt

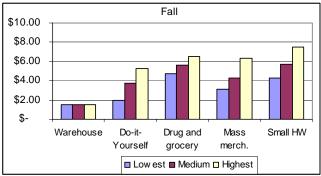
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⁵ As described in the methodology section of MPER1 (Section 3), the store sample was chosen to reflect all stores that sell CFLs in the Northwest. We applied sample weights at the store level to all shelf survey results.

twister for sale in the Northwest at a DIY store. A more representative way to approach the "lowest" price paid by consumers is to take the average of minimum prices offered by stores for each store type across the region. Figure 6-3 shows the results from taking the average of the minimum, mean and maximum priced model by store type. As shown, in the fall, the lowest price offered by DIY stores was on average \$2.18 and the highest price was on average \$5.49. For all stores except warehouses (which offer only one model each), the average range in prices is narrower than the absolute range, reflecting the fact that the absolute minimum and maximum prices shown in Figure 6-2 were extremes that were not found in the majority of stores.

Figure 6-3
Average Lowest, Medium and Highest Twister Prices by Store Type:
<18 Watts





The main caveat to this approach of determining the average lowest price is that very low prices have an effect on consumers' purchasing behavior – encouraging them to buy CFLs when they had not intended to do so, and/or encouraging them to buy more CFLs than they might have intended. That is, though the average values shown in Figure 6-3 are weighted to reflect the mix of stores selling CFLs in the region, they do not reflect the fact that stores with very low priced CFLs likely sell more CFLs than other stores.

As follows, the estimates shown in Figure 6-3 might be higher than the true average prices paid by consumers. This effect is most pronounced for the store types that had a wide range of lowest price CFLs, such as drug, grocery and small hardware stores. For warehouse, DIY and mass merchandise stores, the range of low prices was not very wide, and as such the average "lowest" price is not a lot higher than the absolute minimum for that store category (see Figure 6-2). Conversely, drug, grocery and small hardware stores had a vast array of "lowest" prices, and as such the average lowest price was much higher than the absolute minimum for those store categories. The multi-pack weight takes this issue into account to an extent – as do the store-type sales weights that we apply in the next subsection. (However, the store sales weights are applied by store category. So within a given store category – particularly for drug, grocery and small hardware stores, we are still likely overstating the average "lowest" price paid.)

⁶ The averages are weighted so that estimates by store type reflect the actual mix of individual stores within each category.

Figures 6-4, 6-5 and 6-6 repeat the results shown above for twisters between 18 and 30 watts. The results for 18 to 30 watt twisters are very similar to those for twisters of less than 18-watts. About the same number of models are stocked per store, with mass merchandisers expanding their selection even more in the fall for 18 to 30 watt twisters. The absolute minimum prices offered for 18 to 30 watt twisters decreased from spring to fall more notably than for less than 18-watt twisters (likely since the SWAT promotion focused on 18-watt or higher bulbs).

Figure 6-4 Average Number of Twister Models per Store Type: 18-30 Watts

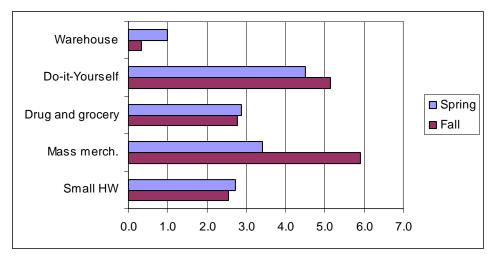
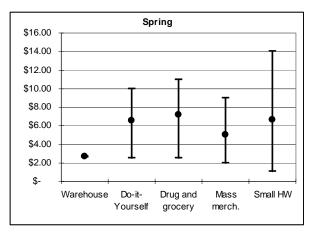


Figure 6-5
Range of Twister Prices by Store Type: 18-30 Watts



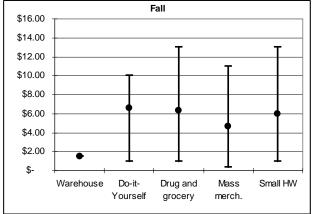
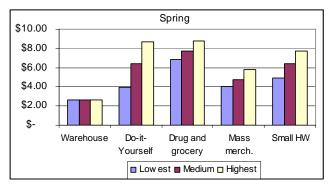
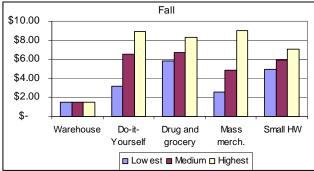


Figure 6-6
Average Lowest, Medium and Highest Twister Prices by Store Type: 18-30 Watts





Figures 6-7, 6-8 and 6-9 repeat the results shown above for twisters greater than 30 watts. This category of bulbs is not widely available, with most stores stocking one or no models. Again, mass merchandisers increased their displays in the fall.

Do-it-Yourself
Drug and grocery

Mass merch.

Small HW

0.0 0.2 0.4 0.6 0.8

Figure 6-7
Average Number of Twister Models per Store Type: >30 Watts

In the spring, prices for twisters greater than 30 watts ranged from about 6 to 10 – and by the fall from 4 to 20.

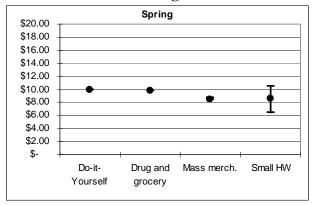
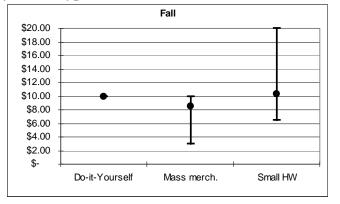
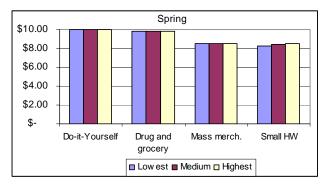


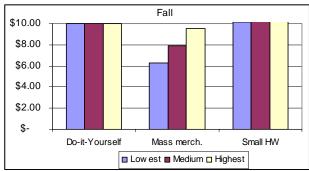
Figure 6-8
Range of Twister Prices by Store Type: >30 Watts



The average lowest, medium and highest priced twisters greater than 30 watts ranged from \$8 to \$10 in the spring and \$6 to \$10 in the fall, with mass merchandisers offering lower priced models in the fall.

Figure 6-9
Average Lowest, Medium and Highest Twister Prices by Store Type: >30 Watts





By Wattage - Sales Weighted

To develop price estimates across store types, we developed sales weights by store type based on Alliance quarterly CFL sales reports. These reports are intended to estimate total sales for the region, and include sales estimates by store type. We used these estimates from the second and fourth quarter 2005 reports to develop a simple set of weights by store type equal to each type's share of total sales for that quarter. These weights address the fact that certain stores sell a lot more CFLs in relation to the number of models stocked than other stores, based on their foot traffic and sales approach (e.g., moving a high volume of one or two models of CFLs vs. moving a lower volume of a wide range of CFLs).

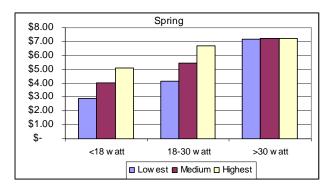
We then applied these weights to the average lowest, medium and highest price twister prices by wattage category shown above in Figures 6-3, 6-6 and 6-9. The results, shown in Figure 6-10, are estimates of the average lowest, medium and highest twister prices paid by consumers across the region by wattage category. As shown, the average lowest price paid for twisters ranged from \$3 to \$5 in the spring and from \$2.50 to \$6 in the fall, depending on the wattage category. Smaller wattage twisters are sold for less – although prices for 18 to 30 watt twisters declined from spring to fall and approached prices for less than 18-watt twisters, likely as a result of the SWAT promotion.

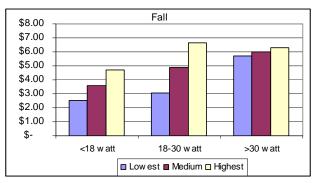
The caveat regarding the effect of very low prices on volume of purchases mentioned above still holds true for these results – but since drug, grocery and small hardware stores account for a small fraction of overall sales, the effect of the upward bias is small at this level of analysis.

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⁷ Refer to MPER1, Section 4, for a discussion of how the Alliance's implementation contractor estimates CFL sales by store type and the accuracy surrounding these estimates. Note that these reports are confidential, and as such we do not report the sales weights used in this analysis.

Figure 6-10
Average Lowest, Medium and Highest Twister Prices by Wattage Category –
Sales Weighted





Overall – Weighted by Wattage and Price Category

To develop an estimate of the average price paid for twisters, one must consider how often consumers paid the lowest price available for twisters within a wattage category – and what prices were paid when the lowest price was not paid. Likewise, one must develop an estimate of the share of twister sales by wattage category.

Table 6-1 below presents a matrix of nine wattage and price level combinations along with weighting assumptions. Across the rows are the wattage categories and across the columns are the price categories. For simplicity, we used the average lowest, medium and highest price categories that were presented above. We assumed that most of the time (80%), people paid the lowest price possible for a twister within a given wattage range. After taking into account wattage, there are very few distinguishing factors separating twister models (twister features and applicability factors such as size and appearance are fairly consistent and brand is not important to most consumers). So it is probably true that when presented with more than one price for a twister bulb within a given wattage range at a given store, consumers will most often select the lowest price bulb.

Since there are probably cases where consumers will select a higher priced bulb due to appearance, brand, location in the store (e.g., the promotion bulbs were located on an end cap but the consumer went straight to the bulb aisle), or when promotion bulbs were sold out, we have assumed that 20 percent of the time consumers paid more than the lowest price. We assumed that 15 percent of the time consumers paid the medium price and 5 percent of the time they paid the highest price.

⁸ Keep in mind that these averages are weighted both to reflect the mix of stores across the region (sample weights) within a store type and the share of sales associated with store types (sales weights).

For wattage category shares, we assumed that consumers bought 18-30 watt twisters about half the time, less than 18 watt just over one-third the time, and greater than 30 watt just over onetenth the time.

At the end of the affordability section, we present results from sensitivity testing, with six scenarios of varying assumptions. We found that the overall twister estimate is not very sensitive to changes in the wattage mix assumptions⁹, but is somewhat sensitive to changes in the price mix assumptions.

Table 6-1 Twister Weights - Wattage and Price Category Assumptions

	Price Category				
Wattage Category	Minimum price	Mean price	Maximum price	Subtotal	
<18 watts	30%	6%	2%	38%	
18-30 watts	40%	8%	3%	50%	
>30 watts	10%	2%	1%	12%	
Subtotal	80%	15%	5%	100%	

Figure 6-11 shows the results from applying the weights shown in Table 6-1 to the estimates by wattage shown in Figure 6-10. As shown, using the methods described above, the average price paid for twisters in the fall was \$3.54 compared to \$4.32 in the spring of 2005.

Figure 6-11 Twister Prices - Sales Weighted*



*With price and wattage mix assumptions from Table 6-1 applied

⁹ We did not increase the percentage of over 30 watt twisters in sensitivity testing because we do not believe it is likely this category of bulbs is bought very frequently. Over 30 watt bulbs are intended to replace over 100 watt

incandescent bulbs, which are not found very often in residential homes.

6.3.2 Non-Twister Style Bulbs

This section focuses on CFLs that are not twister style (non-twisters) – including the following CFL types:

- Tube -2 and 4 tube that are similar to twisters (open-configuration) but are not as widely available and as popular with consumers;
- Circle-line typically used in torchiere (floor) lamps;
- Covered including globe and incandescent styles, named for their covered tubes/twists and shapes similar to incandescent bulbs;
- Reflector that replace reflector incandescent bulbs such as those found in recessed can fixtures;
- Pin-based specialty CFLs that are not screw-in, and are used in ENERGY STAR pin-based fixtures:
- Three-way twister ¹⁰ and non-twister CFLs with three wattage levels; and
- Other other screw-based specialty CFLs including spot lights, 2D, 3-tubes, and higher twisters that are dimmable or full spectrum.

By Style

We found that the main drivers of variation in price across non-twisters are the style of bulb and whether the bulbs are sold in warehouses or not. Warehouses in the region have focused on reflector style bulbs, and they typically offer only one model.

Figure 6-12 below shows the average number of non-twister models stocked per store, by store category. DIY stores stock the most variety of non-twisters, and warehouse stores the least. With the exception of drug and grocery stores (which do not stock many non-twisters), stores increased their non-twister stock from spring to fall.

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¹⁰ Three-way twisters were grouped under "Non-Twister" because their availability and price makes them more similar to specialty bulbs than to standard twisters.

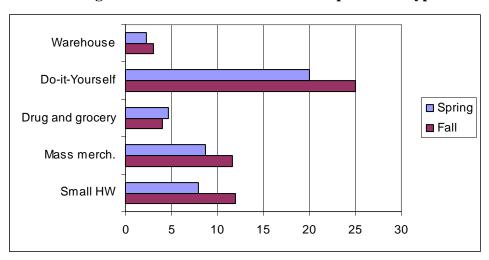
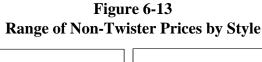
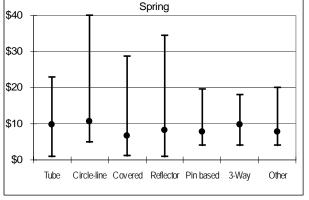


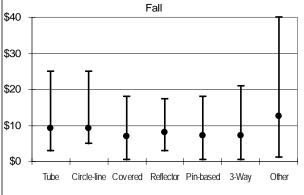
Figure 6-12 Average Number of Non-Twister Models per Store Type

Figure 6-13 shows the range of prices offered across all stores for each non-twister bulb style. There is a very wide range of prices associated with non-twisters, from \$1 to \$40. The average priced model regardless of style is between \$5 and \$10, with little movement from spring to fall.

With the exception of warehouses for reflector bulbs, there is no apparent relationship between price and store type across non-twister bulb styles. (Figure 6-14 shows prices by store type. For warehouses, reflector style is the only non-twister model sold, so the warehouse value is the warehouse-reflector value.)







Overall - Sales Weighted

For non-twisters, the analysis of overall price is much simpler than that used to estimate the overall price of twisters. We applied the sales weights used for the twister analysis to the mean price across all non-twister models. This approach implicitly assumes that (1) the fraction of sales associated with each non-twister style model is the same, and that (2) on average, consumers pay the average price for non-twister models.¹¹

Since the average price across non-twisters is about the same (the circles in Figure 6-13), the first assumption does not impact the overall estimate much. The second assumption was made because there is differentiation among non-twister models (versus twisters) – and consumers are probably less motivated by lower prices to purchase non-twisters. First of all, prices are not nearly as low as for twisters. Second, consumers are more concerned with application (does it fit, does it have the right features such as 3-way and dimmability, etc.) and availability (I'll buy it at the store that I know will stock it). These types of bulbs are not purchased impulsively. The exception might be warehouse reflector bulbs – since they are likely promoted and featured as a low-price item. However, the sales weights account for this by weighting the reflector bulbs sold at warehouse stores with the large warehouse weight (relative to other store categories that contain many more stores and stock a lot more models of non-twisters).

Figure 6-14 shows the average non-twister price paid by consumers by store type. Figure 6-15 shows these results overall, with the sales weights applied. As shown, consumers on average paid about \$7 in both the spring and fall of 2005 for non-twisters. Reflector style bulbs sold at warehouses were the bargain, at just over \$4.

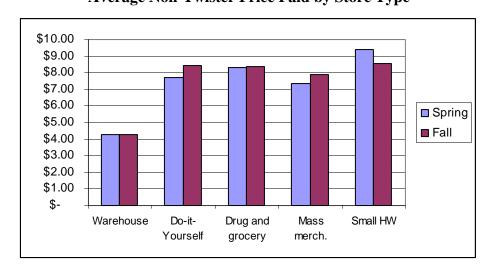


Figure 6-14
Average Non-Twister Price Paid by Store Type

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¹¹ The store-level sample weights are applied so that average prices reflect the mix of stores across the region.

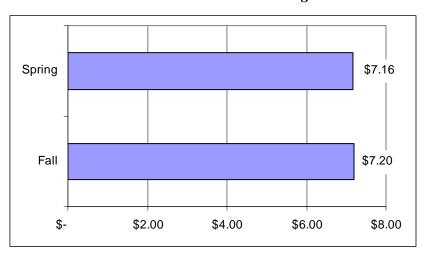


Figure 6-15
Non-Twister Prices – Sales Weighted

6.3.3 Overall – Weighted by Shares of Twister versus Non-Twister Sales

Figure 6-16 presents an estimate of overall CFL price paid by consumers in the region in the spring and fall of 2005. We applied a weight of 90 percent to the twister price estimate (from Figure 6-11) and 10 percent to the non-twister estimate (from Figure 6-15), based on our assumption that twisters comprise the vast majority of CFL sales. We based that assumption on anecdotal evidence from retailers and consumer on-site surveys. As mentioned above, we present some sensitivity test results in the next section, which show the effect on the overall estimate by changing various assumptions including the share of twister versus non-twister sales.

As shown in the figure, on average consumers paid about \$5 in the spring and \$4 in the fall for CFLs.



Figure 6-16 CFL Price—Sales Weighted*

6.3.4 Sensitivity Analysis

Table 6-2 shows the change in the twister and overall CFL price estimate by varying some of the assumptions described above. Note that some assumptions that were made based on analyzing the pricing data are not included in this analysis. Likewise, we did not include assumptions that are associated with the construct of this analysis framework. Instead, we focused on the assumptions that were somewhat arbitrary and not based on current Northwest data. The following 4 alternatives are variations on what we think current market conditions might be, which could lead to a change in the CFL price estimate. The fifth and sixth alternatives are combinations of the first 4 alternatives.

- Alternative 1: <18 watt twisters sold more often twister price drops by less than 5 percent
- Alternative 2: Low price paid all the time twister price drops by 6 percent
- Alternative 3: Low price paid only half the time twister price increases by 14 percent
- Alternative 4: Non-twisters sold more often overall CFL price increases by nearly 30 percent
- Alternative 5: Both **alternatives 1 and 2** overall CFL price decreases by nearly 20 percent
- Alternative 6: Both alternatives 3 and 4 overall CFL price increases by 36 percent

^{*} With price and wattage mix assumptions from Table 6-1 applied for twisters, and an assumption that 90% of CFL sales are twisters and 10% are non-twisters

List of Assumptions Twister wattage category	Base Case Assumption Values	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5 (1 and 2)	Alt 6 (3 and 4)
<18 watt	38%	75%				75%	
18-30 watt	50%	24%				24%	
>30 watt	13%	1%				1%	
Twister price category							
Lowest	80%		100%	50%		100%	50%
Medium	15%		0%	40%		0%	40%
Highest	5%		0%	10%		0%	10%
Avg. twister price estimate	\$ 3.54	\$ 3.41	\$ 3.24	\$ 4.06	\$ 3.54	\$ 2.69	\$ 4.06
Twister v. non-twister mix							
% twisters	90%				60%		60%
% nontwisters	10%				40%		40%
Avg. overall CFL price estimate	\$ 3.90	\$ 3.79	\$ 3.64	\$ 4.37	\$ 5.03	\$ 3.14	\$ 5.31

Table 6-2 Sensitivity Test Results (Fall 2005 Estimates)

6.3.5 Geographic Findings

In the spring of 2004, the average CFL price paid by consumers did not differ much by state – by store type ¹². For twisters that are 30-watts or less (the most common type of CFL sold), Washington and Oregon drug and grocery stores charged less as compared to the other states. For the other store types – Do-It-Yourself (DIY), mass merchandise, small hardware and warehouse stores – there were no differences by state ¹³. For twisters greater than 30-watts and non-twisters (not very commonly sold CFL models), prices were not different by state for any store type.

By the fall of 2005, prices paid for twisters that are 30-watts or less declined region wide for most store types (Figure 6-17). Prices charged by warehouses declined equally across all states. Mass merchandisers and small hardware stores lowered their prices in Oregon. DIY stores in Montana and Idaho lowered their prices. And drug and grocery stores in Washington lowered their prices.

6 - 17

¹² Our analysis of the average CFL price included the application of sales weights by store type. In order to develop estimates of prices paid for CFLs by state (i.e., across store types), we would need to obtain sales weights at the store type level by state. Even if the existing sales weights (collected by the Alliance's implementation contractor) were available by state, there is the concern that drug/grocery and independent store sales are undercounted in general, which would compromise the accuracy of sales weights by state (since the reason why sales weights would differ by state is the tendency of residents in less dense regions to buy CFLs at those very channels).

¹³ Note there are no DIY stores in the Oregon sample, or drug/grocery stores in the Montana sample.



Figure 6-17
Average Minimum Price Paid by Consumers for Twisters (30-watts or less) by Store Type*

Since we do not know the share of CFL sales for each store type for each of the 4 states in the region, we are unable to determine whether the average CFL price paid by consumers in each state was different in the spring or the fall. One might hypothesize that consumers in rural areas would be more likely to buy CFLs at small hardware stores, independent variety stores (included in the mass merchandise channel) and drug/grocery stores – and so they on average pay more for CFLs since our price estimates for those channels are higher than the other chain store dominated channels. However, the approach we used to generate the store type price estimates does not take into account the potentially major effect of low promotional prices on sales. This limitation is particularly apparent for the stores at which rural customers would tend to shop¹⁴. As such, prices paid for CFLs in rural areas might actually be much lower than Figure 6-4 illustrates. It is likely that this is especially true in the fall (versus the spring), where we found cases of very low prices for some stores within a store category (see Figures 6-2 and 6-5).

6.4 AVAILABILITY

The lighting shelf inventory assessed the availability of lighting products by collecting information on the total linear feet and number of shelves for light bulbs in the following categories:

1. All light bulbs, including CFLs, incandescents, halogens, fluorescents, etc.;

¹⁴ This is because the store types with the most diverse individual stores have the most variance associated with "lowest" priced models. For example, within the drug and grocery store category, there are numerous stores, some with CFLs offered for free (after promotions or coupons) and others with the lowest priced model at \$8. One would expect that the store offering CFLs for free sold a lot more CFLs than the store offering them for \$8 or higher. Conversely, for DIY, warehouse and the few mass merchandise national chains, pricing is much more uniform across individual stores. And so volume of sales across stores has less impact on the overall price estimate for that category.

^{*} With wattage mix assumptions from Table 6-1 applied for 30-watts or less twisters

- 2. CFLs (a subset of the first data point); and
- 3. ENERGY STAR labeled CFLs (a subset of the second data point).

The reader should keep in mind that shelf space provides a good reference point for the availability and diversity of bulbs in the market. However, shelf space is not tied to sales. As shown below, warehouses account for only 3 percent of the shelf space yet many more times that of sales.

The total shelf space dedicated to lighting in general (not just CFLs) decreased from spring to fall, from a total of 300,000 to 250,000 square feet. This is likely because of retailers making space for holiday displays. Space devoted specifically to CFLs stayed the same at 33,000 square feet, and space dedicated to ENERGY STAR CFLs dropped slightly from 28,000 to 22,000 square feet. As follows, the share of CFL shelf space increased from 11 to 13 percent and stayed the same at 9 percent for ENERGY STAR CFL shelf space.

Figure 6-18 shows the share of lighting shelf space (i.e., space dedicated to all bulbs, CFLs and ENERGY STAR CFLs) that is associated with each store type, from spring to fall. The data for each store type represent all stores in the Northwest that sell CFLs in that category. Small hardware stores have the largest share of all lighting shelf space because they account for half of the stores that sell CFLs in the region. Conversely, warehouse stores have the smallest shares since they only account for less than 3 percent of stores that sell CFLs in the region. As shown in the figure, the allocation of lighting space by store type did not change much from spring to fall.

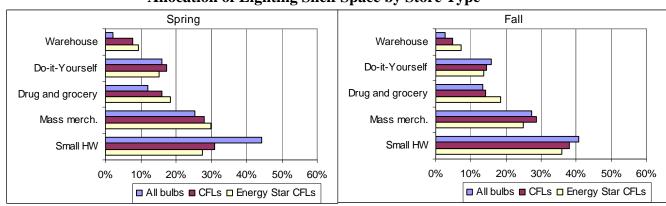


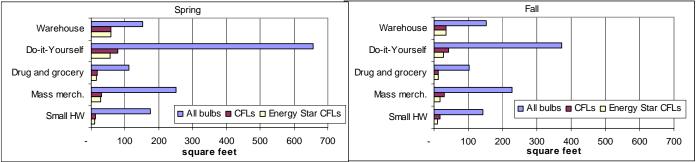
Figure 6-18
Allocation of Lighting Shelf Space by Store Type

14

¹⁵ Note that the spring 2005 shelf space data presented in this report are not consistent with data presented in MPER1. In MPER1, we did not take into account the number of shelves associated with each reported shelf in the survey data. We revised all data from MPER1 accordingly and present it accurately here in this section. However, shares of shelf space by store type and shares of shelf space dedicated to CFLs and ENERGY STAR CFLs are not much different from that reported in MPER1 because the shelf error was made uniformly across all retailers and bulb types.

Figure 6-19 looks at shelf space allocation by store type on a per store basis. This figure shows that while small hardware stores collectively account for the most lighting shelf space, on a per store basis DIY stores have the largest displays. The figure also illustrates the drop in shelf space dedicated to all bulbs from spring to fall. However, as mentioned above, total CFL shelf space did not change dramatically.

Figure 6-19
Average Shelf Space Allocation by Store Type



The next 2 figures show the share of shelf space dedicated to CFLs and ENERGY STAR CFLs by store type. Data shown for each store type represent the share of space across all the stores. Figure 6-20 presents the share of all lighting space dedicated specifically to CFLs from spring to fall, which equates the "CFL" bar as a percentage of the "all bulbs" bar shown in Figure 6-19. Most stores devote about 10 percent of their lighting space to CFLs, with the exception of warehouses, which devote more than 20 percent. As shown, the only noteworthy change from spring to fall is a decrease in the CFL share of space for warehouses.

Figure 6-20 Share of All Lighting Space Dedicated to CFLs by Store Type

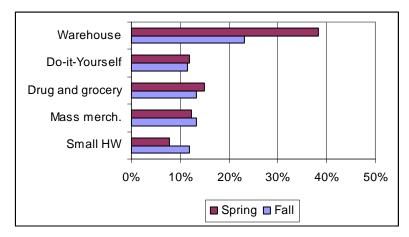


Figure 6-21 presents the share of CFL space dedicated specifically to ENERGY STAR CFLs from spring to fall, which equates the "ENERGY STAR CFL" bar as a percentage of the "CFL" bar shown in Figure 6-19. As shown, the share of ENERGY STAR CFLs declined for all store types except for warehouses – which have continued to stock exclusively ENERGY STAR CFLs regardless of season.

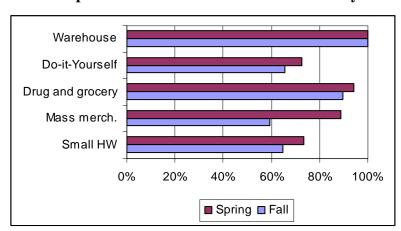


Figure 6-21
Share of CFL Space Dedicated to ENERGY STAR CFLs by Store Type

6.4.1 Geographic Findings

In the spring of 2004, the size of the average CFL display per store in Idaho was lower than CFL displays in Oregon. (The difference between Montana and Washington displays and displays in other states were not statistically significant.) By the fall of 2005, retailers in Idaho increased their displays so that there are no statistically significant differences in CFL displays on a per store basis by state. Figure 6-22 compares the average CFL display by state from spring 2004 to fall 2005.

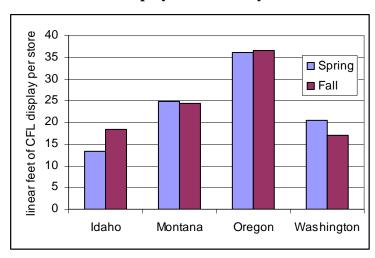


Figure 6-22 CFL Displays Per Store by State

6.5 DIVERSITY

The lighting shelf survey collected numerous data on diversity of CFL bulbs stocked, including brand, wattage, twister and non-twister (tube, reflector, covered, 3-way, etc.) and whether the CFL is ENERGY STAR-labeled. In general, CFL diversity increased from spring to fall, with 24 percent more models observed in the fall. The remainder of this section presents diversity results by style, ENERGY STAR label and wattage. (The affordability section above included results from analysis of style by store type and style by wattage and store type.)

6.5.1 By Style

Nearly all stores that sell CFLs in the region carry twisters, while around half of stores carry non-twister bulb styles. Just under half of all CFL models stocked by stores in the region are twister models (from 45% in the spring to 41% in the fall). The other CFL styles comprise 10 percent or fewer of models stocked in the region.

The number of stores stocking specialty styles including reflector, circle-line and pin-based bulbs increased significantly from spring to fall, as shown in Figure 6-23.

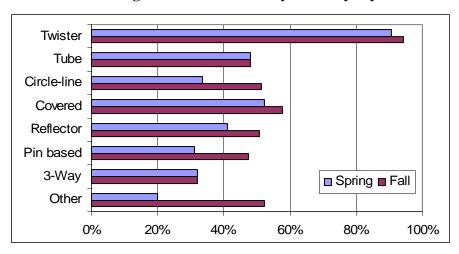


Figure 6-23
Percentage of Stores that Carry CFLs by Style

Among stores that stock twisters, on average 6 models are stocked. For non-twisters, stores tend to stock fewer models – on average 3 or 4 models. As shown in Figure 6-24, changes from spring to fall depended on the bulb style, with increases in stock for some (e.g., twisters and pin-based) and decreases for others (e.g., tube and circle-line).

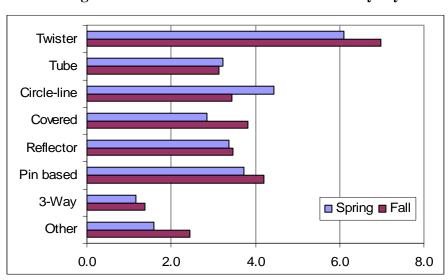


Figure 6-24
Average Number of Models Stocked Per Store by Style

Figure 6-25 shows brand diversity by CFL style, for stores that stock each style of CFL. On average, stores stock between one and two brands, with little change from spring to fall.

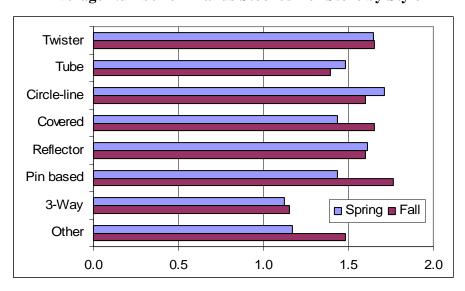


Figure 6-25 Average Number of Brands Stocked Per Store by Style

6.5.2 By ENERGY STAR Label

Most twister style CFL models that are stocked by stores in the region are ENERGY STAR labeled. Likewise, reflector style bulbs are typically ENERGY STAR labeled. In the fall, only about half of the other styles of CFLs on retailer shelves were ENERGY STAR labeled. (Circle-line and pin-based CFLs predate the ENERGY STAR designation.) Figure 6-26 provides additional detail.

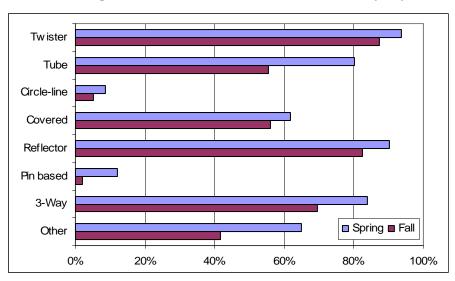


Figure 6-26
Percentage of Models with ENERGY STAR Label by Style

6.5.3 By Wattage

A significant proportion of CFL models on retailer shelves in the region are in the less than 18 watt category, as shown in Figure 6-27 below. The number of CFL models that are over 30 watt increased slightly from spring to fall.

18-30 watt
>30 watt
Spring Fall
0% 10% 20% 30% 40% 50% 60%

Figure 6-27
Percentage of Models by Wattage Category

Figure 6-28 shows that almost every store that sells CFLs sells models in both the less than 18 watt and 18-30 watt categories. Fewer than half of stores carry CFLs greater than 30 watts. The number of stores that carry CFL models within each of these wattage categories increased from spring to fall.

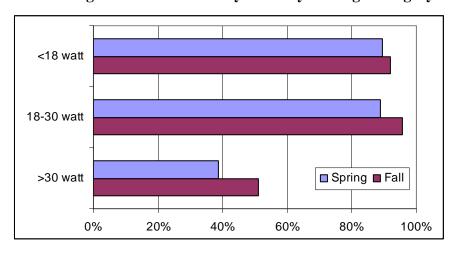


Figure 6-28
Percentage of Stores that Carry CFLs by Wattage Category

From fall to spring, retailers increased the number of models stocked for all of the wattage categories, as shown in Figure 6-29.

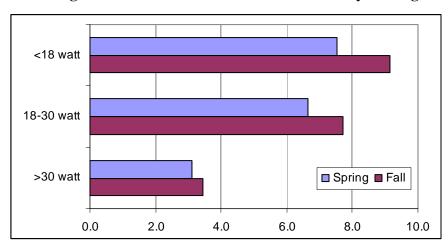


Figure 6-29
Average Number of Models Stocked Per Store by Wattage

Likewise, the number of brands represented by stocked CFL models increased from spring to fall as shown in Figure 6-30.

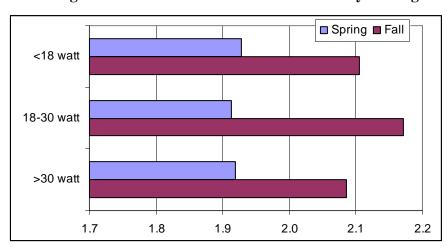


Figure 6-30 Average Number of Brands Stocked Per Store by Wattage

6.5.4 Geographic Findings

In the spring of 2004, the diversity of retailers' CFL stock in Montana and Idaho was less than that of retailers' in Washington and Oregon. That is, stores in Montana and Idaho were less likely to stock non-twister models (Figure 6-31) at all and stores that did stock them offered fewer models (Figure 6-32). By the fall of 2005, both Montana and Idaho retailers increased their CFL diversity, such that Idaho and Montana diversity became closer to that of Oregon and Washington.

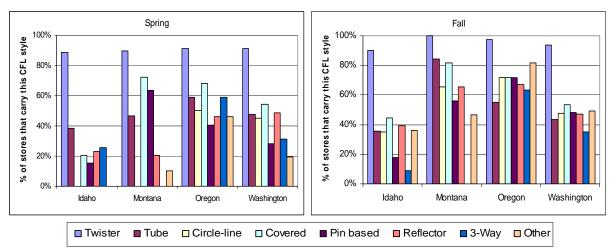
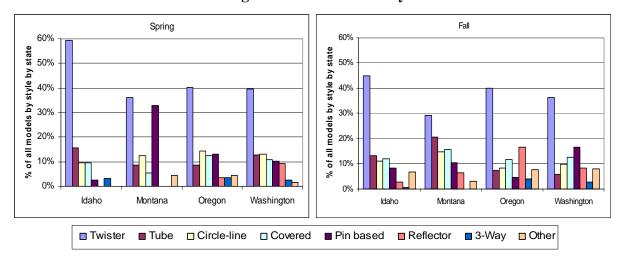


Figure 6-31
Percentage of Stores that Carry Various CFL Styles by State

Figure 6-32
Percentage of Models Stocked by State



6.6 SUMMARY OF FINDINGS

Shelf survey data may be combined with Alliance sales data by store category to develop estimates of average price paid per CFL for the region. However, there are limits to this approach.

To increase the reliability of the estimates yielded by this method, sales data would need to be more detailed at both the store level (particularly for non-big box retailer chains) and product level (e.g., by style and wattage category).

Still, even if more detailed sales data were available, limitations exist when using shelf survey data as the basis of price estimates. Assumptions must be made regarding how often customers buy the lowest price bulb and the extent to which very low prices result in impulse and volume purchases. However, combining Alliance sales data with shelf inventory data is a relatively inexpensive method that provides valuable estimates. In fact, the intermediate results that are used to generate the overall estimates are arguably the most valuable and provide the most insight on the market and how it is changing over time.

Based on the sales weighted shelf inventory data, the estimate of the average price paid by consumers for CFLs in the region in the fall of 2005 is around \$4.

For twister-style CFLs, the estimate for less than 30-watt bulbs is \$2.75. Warehouse stores in particular charge just under \$2 for all their twister models. The lowest priced twister-style CFL model for the other stores averages between \$3 and \$4.

Prices for twister style CFLs dropped from \$4.30 in the spring of 2005 to \$3.50 in the fall – with SWAT likely influencing the drop in prices specifically for 18-30 watt twisters.

The SWAT promotion focused on twisters at least 18 watts. Prior to the promotion (in the spring), less than 18-watt twisters were offered at \$2 or less by stores within each store channel. In contrast, few 18-30 watt twister models were offered for \$2 or less before the promotion. By the fall, less than 18-watt twisters were promoted by stores within each store channel for \$1 each – about the same as prices available during the SWAT promotion for 18-30 watt twisters. Since the promotion excluded less than 18-watt twisters, it is likely that annual fall lighting promotions (sponsored by retailers, manufacturers, utilities and other stakeholders in coordination with the national Change a Light promotion) were responsible for the drop in price for these bulbs.

The average price of non-twister bulbs did not change from spring to fall – and is around \$7.

There is a wide range in price for non-twister style bulbs, from \$1 to \$40. This range varies by style, with specialty type CFLs (e.g., 3-way, dimmable, suited for specific applications) accounting for most of the higher priced models. There is not a lot of difference in the average priced model across bulb styles or even store categories – with the exception of warehouse stores which only stock reflector CFLs and offer them at about \$4.

Due to the limitations concerning the breakdown of sales for non-big box chains discussed above, the CFL price estimates are probably biased upward.

in a region like the Northwest.

¹⁶ A much more reliable method would be to obtain actual purchase data from a representative sample of stores. The California investor-owned utilities have embarked on such a study, which has been focused on developing market shares for CFLs, not price paid for them. The study is very expensive and has suffered setbacks associated with retailer participation. Likewise, the method relies mostly on chain retailers, which would be even more problematic

In particular, the range of the lowest price offered by individual small hardware, drug and grocery stores was wide – which was not the case for the other store categories (because the other store categories are dominated by one or two major national chains, there is greater uniformity in stocking and pricing). The shelf inventory method breaks down for store categories with many individual chains and/or independent stores because we do not know the relative quantity of CFLs purchased at each store within the category. That is, because we take a simple weighted average¹⁷ of the lowest price paid across stores, we do not account for the effect of very low (or very high) prices on purchases per store.

For the other store categories, the range of lowest prices paid was relatively narrow, and so the simple average approach yields estimates that are probably more realistic. Across store categories, the bias is likely small because small hardware, drug and grocery stores only account for a small fraction of CFLs sales in the region – according to the Alliance CFL sales reports. However, we raised concerns in MPER1 that the methods used to develop sales estimates probably do not adequately represent small hardware, drug and grocery stores. So sales for these store categories might actually be higher, and the bias greater than expected on the overall estimates.

Shelf space dedicated to CFLs (and specifically to ENERGY STAR rated CFLs) did not change from spring to fall – but as a share of total lighting space it increased.

Retailers were likely making way for holiday promotions in the fall, causing a decrease in lighting displays in general.

A wider range of twister models was available particularly at mass merchandisers in the fall (as compared to spring), and all stores expanded their selection of non-twister models.

Retailers tend to promote lighting in the fall (since it is the lighting season), so it is unknown to what extent the SWAT promotion contributed to these changes.

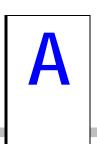
Geographic differences that existed in the spring of 2005 with respect to CFL availability and diversity no longer existed by fall of 2005.

In the spring, display space dedicated to CFLs in Idaho retailers was smaller than that of other states. Likewise, the diversity of CFL stock was less in Idaho and Montana. By the fall, CFL availability and diversity was about the same region wide.

It is likely that the average CFL price paid by consumers was higher in Montana and Idaho in the spring of 2005 – and that in the fall prices were probably equivalent region wide.

¹⁷ The weights are applied to the sample of stores to reflect the population of stores in the region that sell CFLs.

We speculate that the average price paid by consumers for CFLs was probably higher for Montana and Idaho in the spring based on an assumption of higher sales from channels dominated by independent stores in those states (which charged higher prices for CFLs than chains). By fall 2005, many individual stores within those channels offered very low prices for CFLs and we speculate that average prices in Montana and Idaho probably approached those in Washington and Oregon.



CONSUMER LIGHTING SURVEY INSTRUMENT

Northwest Energy Efficiency Alliance Consumer Lighting Survey 2005 FINAL for survey house 11/09/2005

0 INTRODUCTION						
Hello, my name is calling on behalf of the Northwest Energy Efficiency Alliance.						
We're conducting a study among households on home lighting preferences.						
So. May I please speak to the person who typically buys light bulbs in your household?						
may represent the person time typically says light sailed in your modernia.						
[CONTINUE OR ARRANGE FOR CALLBACK]						
IF NECESSARY: I want to assure you that this is NOT a sales call and that the information that you provide will be kept strictly confidential. This will only take about 10 minutes of your time.						
you provide will be kept strictly confidential. This will only take about 10 minutes of your time.						
IF NECESSARY: The NORTHWEST ENERGY EFFICIENCY ALLIANCE is a non-profit						
organization, which funds projects that encourage energy efficiency in the Northwest. Its Board						
of Directors has representatives from utilities, environmental groups, regulatory agencies, and						
energy-related private businesses. For more information you can visit the website at www.nwalliance.org.						
1						

1 POPULATION SCREENING

<u>AWARENESS</u>

S1 Have you ever heard of compact fluorescent light bulbs or CFLs?

- 1 Yes **→ GO TO S3**
- 2 No
- 8 (Don't Know)
- 9 (Refused)

¹ Responses in parentheses () are not read aloud to the respondent.

S2	Compact fluorescent light bulbs, or CFLs, are small fluorescent bulbs that fit in regular					
	light bulb sockets. CFLs look different than standard bulbs. They are often made out of					
	thin tubes of glass bent into loops.					

Have you ever heard of them?

1	Yes	→ CONTINUE
	163	

- 2 No →GO TO UNAWARE OF CFLs, _U0
- 8 (Don't Know) →GO TO DEMOGRAPHIC, D0, then TERMINATE
 9 (Refused) →GO TO DEMOGRAPHIC, D0, then TERMINATE
- **S3** Have you ever received any CFLs for free in the mail?
 - 1 Yes
 - 2 No
 - 8 (Don't Know)
 - 9 (Refused)
- S3b Have you ever received a coupon in the mail for a discount on the purchase of CFLs?
 - 1 Yes
 - 2 No
 - 8 (Don't Know)
 - 9 (Refused)

PURCHASES

- **S4** Have you ever purchased any CFLs?
 - 1 Yes → CONTINUE TO PURCHASERS, Q1
 - 2 No → GO TO FUTURE PURCHASE INTENTIONS, F1
 - 8 (Don't Know) → GO TO FUTURE PURCHASE INTENTIONS, F1
 - 9 (Refused) → GO TO DEMOGRAPHIC, D0, then TERMINATE

2 PURCHASERS ONLY

Q1 On how many separate occasions have you purchased them?

Enter #____ [PROBE FOR BEST ESTIMATE]
99 (Don't know)

_Q2	When 1		sed them? Would you say it was s September, October, or November) → SKIP TO Q4
	2	Within the last year	Cooptombol, Cotobol, of Novembol)
	3	Less than two years ago	
	4	Less than five years ago	
	5	Less than 10 years ago, or	
	6	More than 10 years ago?	
	8	· · · · · · · · · · · · · · · · · · ·	
	9	(Refused)	
_Q2b	When	•	rchase? Would you say it was
	1		: September, October, or November) → CONTINUE
	2	Within the last year	→ CONTINUE
	3	Less than two years ago	→ SKIP TO Q4
	4	Less than five years ago	→ SKIP TO Q4
	5	Less than 10 years ago, or	
	6	, ,	→ SKIP TO Q4
	8	,	→ SKIP TO Q4
	9	(Refused)	→ SKIP TO Q4
Q3		-	ar, how many CFLs have you purchased? If a
	packa	ge contained more than one b	ulb, then count each bulb separately.
			FOR BEST ESTIMATE]
	0	(None)	
		(Don't know)	
Q4		have you purchased them? _OT READ] [Accept multiples]	
	_	Home centers such as Home	Depot, Lowe's
	2	Discount Department Stores	
	3	Buying clubs such as Costco	
	4	Hardware stores, ACE, True	Value [PROBE: Do you mean a large home center
		like Home Depot or Lowe's	, or a hardware store like ACE or TrueValue? IF
		HOME CENTER/HOME DEF	POT/LOWES, RECODE AS 1]
	5	Supermarkets	
	6	5 5 11 7	
	7		
	8		
	9	37	
		Other (specify)	
		(Don't know)	
	99	(Refused)	

Q5	Thinking about your most recent purchase, why did you choose CFLs as opposed to regular light bulbs?
*Note	to survey house: wording changed slightly
	[DO NOT READ] [Accept multiples]
	1 Reduce electricity bill
	2 Save/conserve energy
	3 Extra cost for compact fluorescent bulb was minimal
	4 Energy savings worth the extra up-front cost, acceptable payback
	5 Cost savings worth the extra up-front cost, acceptable payback
	6 It is the "right thing to do" (environmental/resource conservation benefits)
	7 Product works better/is higher quality
	8 Like to have new, high-tech products
	9 Salesperson convinced me it was the best choice
	10 To redeem a coupon
	11 Friends/family suggested I purchase compact fluorescent bulbs
	12 To try them out
	77 Other (specify)
	88 (Don't know)
	99 (Refused)
_Q5b	Was there a special promotion or sale at the store when you bought your most recent
	CFL(s)?
	1 Yes
	2 No
	8 (Don't know)
	9 (Refused)
Q20	Thinking about your most recent purchase, how much did you pay PER BULB for your
	CFLs?
	IF _Q5b = 1, 8, or 9, READ: Please tell me the promotion or sale price that you paid
	PER BULB. And if you used a rebate or coupon, tell me the price of the bulb after the
	rebate or coupon.
*Note	to survey house: wording changed slightly

A-4

ENTER \$XX (dollars)

88 (Don't know) 99 (Refused)

Q6	Can you recall how you fir [DO NOT READ] [Accept	rst became aware of CFLs?	
		le/point of purchase materials	
	• •	evision, Internet, newspapers, magazines, radio	
	•	ends, family, neighbor, colleague)	
	4 Sales person		
	5 Consumer Reports		
	6 ENERGY STAR® Pro		
		mailing/announcement)	
	• •	governor or other government official	
	9 Received CFL for		
	10 Coupon in the mai	I	
	11 While shopping/no	oticed them at store	
	77 Other (specify)		
	88 (Don't know)		
	99 (Refused)		
	INGS		
HOLD	<u>IINGS</u>		
Q7a	Do you currently have any	CFLs installed in your home?	
	1 Yes		
	2 No	→ GO TO Q9a	
	8 (Don't know)	→ GO TO Q9a	
	9 (Refused)	→ GO TO Q9a	
Q7b	How many of them do you	u currently have installed in your home?	
	Enter #	[PROBE FOR BEST ESTIMATE]	
	88 (Don't know)		
	99 (Refused)		
	,		
Q8a	Are you storing any for us	e as spares or to be installed at a later date?	
	1 Yes		
	2 No	→ GO TO Q9a	
	8 (Don't know)	→ GO TO Q9a	
	9 (Refused)	→ GO TO Q9a	

Q8b	How many?	
	Enter # 88 (Don't know) 99 (Refused)	[PROBE FOR BEST ESTIMATE]
_Q8c	Thinking about your most install and how many did y	recent purchase, how many of the CFLs you bought did you ou store to install later?
	Enter # installed 88 (Don't know) 99 (Refused)	_ [PROBE FOR BEST ESTIMATE]
	Enter # stored 88 (Don't know) 99 (Refused)	[PROBE FOR BEST ESTIMATE]
DISPO	<u>DSITION</u>	
Q9a	Have you had any CFLs thin your home?	nat you installed, but later removed and did not use elsewhere
	1 Yes 2 No 8 (Don't know) 9 (Refused)	→ GO TO Q11 → GO TO Q11 → GO TO Q11
Q9b	How many did you remove	9?
	Enter # 88 (Don't know) 99 (Refused)	[PROBE FOR BEST ESTIMATE]

Q10a What was the <u>main</u> reason for taking the bulb(s) out? [Record first mention and then all other mentions.]

*Note to survey house that this question has been modified to remove the "Read list" – it is now an open end with post codes provided.

- 1 It burned out
- 2 You didn't like the color
- 3 It took too long to start up
- 4 It wasn't bright enough
- 5 You didn't like the way it looked
- 6 It didn't fit
- 77 Or some other reason? (specify)
- 88 (Don't know)
- 99 (Refused)

SATISFACTION

Q11 Thinking about all of the CFLs you recently purchased, how satisfied are you with them? Use a scale of 1 to 10, where 1 means you are "not at all satisfied" and 10 means you are "very satisfied".

Not at all									Very	(Don't	(Refused)
Satisfied									Satisfied	know)	
1	2	3	4	5	6	7	8	9	10	88	99

- **Q12 [ROTATE. Ask all items a g].** Now, using a scale of 1 to 5, where 1 means you are "not at all satisfied" and 5 means you are "very satisfied", how would you rate the CFLs you have recently purchased in terms of....
 - a. The color of the light they provide?
 - b. The brightness of the light they provide?
 - c. The amount of time they take to light up?
 - d. Their compatibility with dimmer and three-way switches?
 - e. The way they fit into light fixtures?
 - f. The way they look in light fixtures?
 - g. How long they last before burning out?

[FOR THE SECOND AND THIRD ITEM read in rotation, add, "On that same scale, how satisfied are you with..." before reading item.]

Not at all				Very	(Don't	
satisfied				Satisfied	know)	(Refused)
1	2	3	4	5	8	9

M10	In general, what are the best features of CFLs?
	[DO NOT READ] [Accept multiples]

- 1 Lasts longer before burning out
- 2 Reduces electricity bill / Saves money
- 3 Saves / conserves energy
- 4 Resource conservation benefits / better for environment / "green"
- 5 It works better/ is higher quality
- 77 Other (specify)_____
- 88 (Don't know)
- 99 (Refused)

IF Q7A=1 THEN CONTINUE ELSE, SKIP TO F1

[CFLs currently installed only]

F5 IF Q7b=1 THEN READ:

When the CFL now installed burns out, how likely are you to replace it with another CFL? Use a scale of 1 to 5, where 1 means you are "not at all likely" and 5 means you are "very likely."

ELSE IF Q7b>1 THEN READ:

When the CFLs now installed burn out, how likely are you to replace them with other CFLs? Use a scale of 1 to 5, where 1 means you are "not at all likely" and 5 means you are "very likely."

Not at				Very Likely	(Don't	(Refused)
all likely					know)	
1	2	3	4	5	8	9

SKIP TO F1

3 UNAWARE OF CFLs ONLY

_U0 I'm going to describe Compact fluorescent bulbs or CFLs to you so I can ask you a few more questions about whether or not you would consider buying them in the near future.

CFLs use two-thirds less energy than a standard bulb, and last up to 10 times as long. Some styles of CFLs are available for \$2 or less – and they are about the same size and color as a standard bulb and can be installed in almost any fixture where you would put a standard bulb. They can be purchased at the same places you purchase standard bulbs, including some drug and grocery stores. CFLs save about \$30 in electricity costs over the life of the bulb. By using less energy, CFLs also help the environment.

4 FUTURE PURCHASE INTENTIONS - ALL

How likely are you to purchase any CFLs in the next year. Use a scale of 1 to 5 where 1 means you are 'Not at all likely' and 5 means you are 'very likely'.

Not at				Very Likely	(Don't	(Refused)
all likely					know)	
1	2	3	4	5	8	9

IF F1=1, 2, 8, or 9 [UNLIKELY PURCHASERS] THEN SKIP TO F2

IF F1>2 [LIKELY PURCHASHERS] AND S4=1 [PURCHASER] SKIP TO CFL AWARENESS, R0

IF F1>2 [LIKELY PURCHASHERS] AND S4>1 OR MISSING [NON-PURCHASER – BOTH AWARE AND UNAWARE] CONTINUE

F1b

Why are you likely to purchase CFLs in the next year? Anything else? [VERBATIM. Accept multiples. Record the first mention.] PROBE: Any other reasons?

SKIP TO CFL AWARENESS, R0

5 UNLIKELY FUTURE PURCHASERS ONLY

F2 a. Why are you unlikely to purchase CFLs in the next year?____

If answer=I am storing a bunch/ bought a multi-pack so I don't need anymore then skip to R0

b. Are there any other reasons? [VERBATIM. Record first mention.] [Accept multiples]

IF S1>1 AND S2>1 [UNAWARE – ALREADY READ CFL DESCRIPTION] SKIP TO UF2 IF S1=1 OR S2=2 [AWARE, HAVE NOT BEEN READ CFL DESCRIPTION] CONTINUE

_UF0 Before I ask the next question, I want to tell you a few things about CFLs that you may not be aware of.

CFLs use two-thirds less energy than a standard bulb, and last up to 10 times as long. Some styles of CFLs are available for \$2 or less – and they are about the same size and color as a standard bulb and can be installed in almost any fixture where you would put a standard bulb. They can be purchased at the same places you purchase standard bulbs, including some drug

and grocery stores. CFLs save about \$30 in electricity costs over the life of the bulb. By using less energy, CFLs also help the environment.

_UF1 Now that you've heard my description, please tell me how likely you'd be to purchase CFLs in the next year? Please use the same 1 to 5 scale as before, where 1 means you are 'Not at all likely' and 5 means you are 'very likely'.

Not at				Very Likely	(Don't	(Refused)
all likely					know)	
1	2	3	4	5	8	9

IF 3>=F1<=5 [NOW LIKELY PURCHASHERS] THEN CONTINUE ELSE [STILL UNLIKELY PURCHASERS] SKIP TO _UF2

_**UF1b** What changed your mind to make you say you're now likely to buy a CFL in the next year? Anything else? **Prompt, if needed**: What new information about CFLs did I tell you about that changed your mind? [Record verbatim. Record first mention, accept multiples.]

SKIP TO CFL AWARENESS, R0

- **_UF2 a.** What, if anything, would motivate you to purchase CFLs in the next year?
 - **b.** Are there any other factors that would motivate you? [DO NOT READ] [Accept multiples]

ECONOMICS

- 1 They need to be cheaper
 - _**UF2_1** Probe how much per bulb would you pay?
 - 1 Enter \$ amount
 - 8 (Don't know)
 - 9 (Refused)
- 2 I would need to be convinced of their energy savings potential

AVAILABILITY/DIVERSITY

- 3 I would need to see them in the stores where I buy light bulbs
 - _UF2_3 Probe Where do you buy light bulbs?
 - 1 Grocery store
 - 2 Drug store
 - 3 Home Centers such as Home Depot or Lowe's
 - 4 Large general merchandise chains such as Wal-Mart or Costco
 - 5 Local hardware stores, including ACE or TrueValue
 - 6 Other _____
 - 8 (Don't know)
 - 9 (Refused)
- 4 They need to make them in different sizes to work in my fixtures
- 5 They need to make them look attractive in my fixtures

LACK OF INFORMATION

- 6 I still need more information about CFLs
- _UF2_4 PROBE: What type of information would you be looking for?

PRODUCT QUALITY/UNCERTAINTY

- 7 Nothing.
- 8 I don't like the quality of the light
- **_UF2_5** PROBE: What don't you like about the quality of the light?
- 9 I still prefer incandescent/standard bulbs
- _UF2_6 PROBE: What do you prefer about incandescent/standard bulbs?

GENERAL

10 Nothing at all.

OTHER

- 77 Other (Specify)_____
- 88 (Don't know)
- 99 (Refused)

6 CFL AWARENESS CHANNELS - ALL

R0 I'd now like to ask you a few questions about where you shop.

- R1 How often do you shop at: Home Centers such as Home Depot or Lowe's? Would you say: [READ ENTIRE LIST]
 - 1 At least once every two weeks
 - 2 Once a month
 - 3 Several times a year
 - 4 Once a year or less
 - 5 Never
 - 8 (Don't Know)
 - 9 (Refused)
- R2 How often do you shop at: Large general merchandise chains such as Wal-Mart or Costco?

Would you say: [READ ENTIRE LIST]

- 1 At least once every two weeks
- 2 Once a month
- 3 Several times a year
- 4 Once a year or less
- 5 Never
- 8 (Don't Know)
- 9 (Refused)
- R3 How often do you shop at: Local hardware stores, including ACE or TrueValue? Would you say: [READ ENTIRE LIST]
 - 1 At least once every two weeks
 - 2 Once a month
 - 3 Several times a year
 - 4 Once a year or less
 - 5 Never
 - 8 (Don't Know)
 - 9 (Refused)

[Ask if UF2_3 not asked]

- **R4** Where do you typically buy light bulbs?
 - 0 Wherever I notice them/wherever I happen to be shopping when I need them
 - 1 Grocery store
 - 2 Drug store
 - 3 Home Centers such as Home Depot or Lowe's
 - 4 Large general merchandise chains such as Wal-Mart or Costco
 - 5 Local hardware stores, including ACE or TrueValue
 - 6 Other _____
 - 8 (Don't know)
 - 9 (Refused)

7 ATTITUDES - ALL

_A0 People have different opinions about energy-efficiency and the availability of natural resources such as energy. Using a 5-point scale, with 1 meaning you "strongly disagree" and 5 meaning you "strongly agree", please tell me how much you disagree or agree with each of the following statements: [ROTATE STATEMENTS.]

[FOR THE SECOND ITEM READ IN ROTATION, ADD, "On the same scale where 1 means you "strongly disagree" and 5 means you "strongly agree," how much do you disagree or agree with the following statement..." BEFORE READING ITEM. PROMPT WITH SCALE IF NECESSARY FOR REMAINING ITEMS.]

		ongly agree				Strongly Agree	Don't Know
_A1	I am not very concerned about						
	the amount of energy used in my home.	1	2	3	4	5	99
_A2	My life is too busy to worry about making						
	energy related improvements in my home.	1	2	3	4	5	99
_A3	It is worth it to me for my household to use						
	less energy in order to help preserve the environment	1	2	3	4	5	-99
_A4	When considering purchasing appliances or other equipment, I typically consider both the price and the operating costs,						
	not just the price.	1	2	3	4	5	-99

8 DEMOGRAPHICS - ALL

- **D0** Before we finish, I have just a few more questions about your household to make sure we're getting a representative sample of residents.
- **D1** What type of home do you live in? [READ LIST]
 - 1 Mobile home
 - 2 Single-family (attached or detached)
 - 3 Apartment
 - 4 Condo
 - 7 (Other)
 - 8 (Don't know)
 - 9 (Refused)

- **D2** Do you own your home or do you rent?
 - 1 Own
 - 2 Rent
 - 8 (Don't know)
 - 9 (Refused)
- **D3** Including yourself, how many people live in your home?
 - 1 one
 - 2 two
 - 3 three
 - 4 four
 - 5 five
 - 6 six
 - 7 seven or more
 - 8 (Don't know)
 - 9 (Refused)
- **D4** Which of the following best describes your educational background?
 - 1 Some high school
 - 2 High school graduate
 - 3 Trade or technical school
 - 4 Some college
 - 5 College graduate
 - 6 Some graduate school
 - 7 Graduate degree
 - 8 (Don't know)
 - 9 (Refused)

_D5 IF D3 =1, READ:

"Which of the following best describes your age group?" [OMIT "5 and under"] ELSE READ:

For each of the following age groups, how many people, including you, usually live in this home?

	Number of People Usually Living In This Home								
Age	0	1	2	3	4	5	6	7	Over 7
5 and under									
6 – 18									
19 – 34									
35 – 54									
55 – 64									
65 and over									

- **D6** Lastly, which of the following categories contains your annual household income from all sources in 2004 before taxes?
 - 1 Less than \$20,000 per year
 - 2 \$20,000 to \$49,000
 - 3 \$50,000 to \$74,000
 - 4 \$75,000 to \$99,000
 - 5 \$100,000 or more
 - 8 (Don't know)
 - 9 (Refused)

9 WRAP UP

That's all the questions I have for you. Thank you very much for your time and opinions.

Ask to record respondent's name for verification purposes.

RECORD GENDER

- 1 Male
- 2 Female

В

SHELF SURVEY INSTRUMENT

NORTHWEST ALLIANCE CONSUMER PRODUCTS EVALUATION: LIGHTING SHELF INVENTORY

CONTACT INFORMATION

PLEASE FILL IN THIS SECTION USING THE INFORMATION CONTAINED IN THE SAMPLE DATABASE

Field	d Staff Name:	Date of Survey:										
Stor	e name:	Chain or independen	it store:									
Stor	e address:											
Stor	e state:	Store type (circle):	L1	L2	L3							
Stor	e zip code:	Store phone number										
A1.	What type of store is this? [CIRCLE ONE ON											
	Grocery/Supermarket/Drug Store											
	Home Center/Home Improvement/Building											
	Mass Merchandise											
	Hardware											
	Specialty lighting/Other (Describe)	·	5									
A2.	Types of Products Sold [CIRCLE ALL THAT	APPLY.]										
	ENERGY STAR® CFL bulbs	-		1								
	Standard CFL bulbs (Non Energy Star®)			2								
	Standard Fluorescent Tubes (Non ENERGY S											
	ENERGY STAR® Fluorescent Tube Fixtures	*										
	Standard Fluorescent Tube Fixtures (Non En											
	ENERGY STAR® CFL Indoor/Outdoor Fixture											
	CFL Indoor/Outdoor Fixtures (Non ENERGY											
	ENERGY STAR® Torchieres											
	Torchieres (Non ENERGY STAR®)											
	Other Fluorescent Fixtures (Describe)											
	Bulb displays											
A3.	Are there any end-cap lighting displays?			Ye	es 🗆	No						
A4.	Are CFL bulbs featured in the end-cap display	Ye	es 🗆	No								

A5.	Are ENERGY STAR® CFL bulbs featured in the end-cap displays?	Yes □	No	
A6.	Are CFLs in a specially-labeled section of lighting product (e.g. ENERGY STAR®)? IF YES, ENTER NAME OF SECTION:		No	
				
A7.	What type of POP are present that promote CFL bulbs? [CIRCLE ALL THAT A			
	Display with instant rebate forms (note rebate sponsor)	1		
	Retailer sign	2		
	Brochures	3		
	ENERGY STAR clings	4		
	Aisle violator	5		
	Bulb wheel	6		
	Other (Describe)	7		
	No identifying material present	8		
	Fixture displays			
A8.	In what proximity are the fixture displays in relation to CFLs?			
	In the same section, within one aisle of each other	1		
	In the same section, but several aisles apart	2		
	They are in different sections of the store	3		
	Other (Describe)	4		
A9.	Are there any end-cap lighting fixture displays?	Yes □	No	
A10.	Are ENERGY STAR fixtures featured in the end-cap displays?	Yes □	No	
A11.	Are ENERGY STAR fixtures in a specially-labeled section of lighting fixtures			
	(e.g. Energy Star®)?	Yes □	No	
	IF YES, ENTER NAME OF SECTION:			
A12.	What type of POP are present that promote ENERGY STAR® fixtures? [CIRCLE AAPPLY]	ALL THAT	Γ	
	Display with instant rebate forms (note rebate sponsor)	1		
	Retailer sign	2		
	Brochures	3		
	ENERGY STAR clings			
	Bulb wheel			
	Other (Describe)			
	No identifying material present			

SHELF SPACE ALLOCATION - Light Bulbs

PLEASE GO TO ALL THE SECTIONS OF THE STORE WHERE LIGHT BULBS CAN BE FOUND. FOR EACH DIFFERENT DEPARTMENT, PLEASE LIST:

- 1. The Total Linear Feet and # of Shelves for all light bulbs, including CFLs, incandescents, halogens, flourescents, etc.
- 2. The Total Linear Feet and # of Shelves (a subset) that are dedicated to CFLs (whether or not these CFLs qualify for the Energy Star® Program).
- 3. The Total Linear Feet and # of Shelves (a further subset) that are dedicated to Energy Star® CFLs.

		All Ligh	nt Bulbs	CF	ELs	ENERGY STAR® CFLs			
				Linear Feet	# of Shelves	Linear Feet	# of Shelves		
B1	a	b	С	d	e	f	g		
B2	a	b	С	d	e	f	g		
В3	a	b	С	d	e	f	g		
B4	a	b	С	d	e	f	g		
B5	a	b	с	d	e	f	g		
В6	a	b	c	d	e	f	g		

Department Codes: Electrical - 1, Kitchen - 2, Hardware - 3, Lighting - 4, Furniture - 5, Other (Specify) - 6.

SHELF SPACE ALLOCATION - Fixtures

PLEASE GO TO ALL THE SECTIONS OF THE STORE WHERE FIXTURES CAN BE FOUND. FOR EACH DIFFERENT DEPARTMENT, PLEASE LIST:

- 1. Total Square Feet for displaying fixtures of <u>all</u> lighting technologies, including Incandescent, Halogen, CFL and Fluorescent.
- 2. Indicate the number of different Types of Energy Star CFL fixture models available for Each: Permanently Mounted, Portable Table Lamps, and Torchieres.

			Numb	oer of Fixture M	Iodels
Dept	. Code	Square Feet	Mounted	Table Lamp	Torchiere
C1	a	b	i	j_	k
C2	a	h	i	i	k
2					
C3	a	b	i	<u>j</u>	k
C4	a	b	i	j	k
C5	a	ь	i	i	k
		1.			1
C6	a	b	1	<u>J</u>	k
C7	a	b	i	j	k

Department Codes: Electrical - 1, Kitchen - 2, Hardware - 3, Lighting - 4, Furniture - 5, Other (Specify) - 6.

CFL Bulb Product Profile Use additional sheets if needed

- FOR BRAND, STYLE, REBATE CODES, SEE BOTTOM OF THE FORM.
- FOR WATTS LIST THE ACTUAL WATTAGE OF THE CFL, NOT THE INCANDESCENT EQUIVALENT.
- FOR PRICE, USE PRICE SHOWN ON PACKAGE OR SHELF FOR PACK, AND NOTE WHETHER THE CFLs are on sale or a rebate is available (and note rebate amount)
- Indicate if package has an Energy Star $^{\otimes}$ label on it. Code 1 = YES, 2 = NO.

CFL Bulb Profile

Brand	Style	Quantity in Pack	Price*	Rebate Amount	Watts	ES [®] label on package?
D1						
D2						
D3						
D4						
D5						
D6						
D7						
D8						
D9						
D10		T. C.				
D11						
D12						
D13						

^{*} before rebate or sale discount

Codes

Brand	Code	Style	Code	Rebate	Code
Commercial Electric	1	2-tube	1	Utility	11
Cooper Electric	2	4-tube	2	Retailer	2
Feit Electric	3	Twister	3	Manufacturer	3
General Electric	4	Globe	4	Other	97
Lights of America	5	Spot	5	Can't Determine	98
MaxLite	6	Incand. Style lamp	6		
Osram Sylvania	7	Circline	7		ļ
Philips Lighting Co	8	Replacement PL	8		
Technical Consumer Prod's	9	Reflector (Flood)	9		
Westinghouse	10	Other	97		
Greenlight	11				<u> </u>
Good Earth	12				<u></u>
Bright Effects	13				
Lithonia	14				
Sea Gull	15				
Other	97				

CFL Bulb Product Profile, continued Use additional sheets if needed

- FOR BRAND, STYLE, REBATE CODES, SEE BOTTOM OF THE FORM.
- FOR WATTS LIST THE ACTUAL WATTAGE OF THE CFL, NOT THE INCANDESCENT EQUIVALENT.
- FOR PRICE, USE PRICE SHOWN ON PACKAGE OR SHELF FOR PACK, AND NOTE WHETHER THE CFLs are on sale or a rebate is available (and note rebate amount)
- INDICATE IF PACKAGE HAS AN ENERGY STAR $^{\otimes}$ LABEL ON IT. CODE 1 = YES, 2 = NO.

CFL Bulb Profile

Brand	Style	Quantity in Pack	Price*	Rebate Amount	Watts	ES [®] label on package?
D14						
D15						
D16						
D17						
D18						
D19						
D20						
D21						
D22						
D23						
D24						
D25						

^{*} before rebate or sale discount

Codes

Brand	Code	Style	Code	Rebate	Code
Commercial Electric	1	2-tube	1	Utility	1
					1
Cooper Electric	2	4-tube	2	Retailer	2
Feit Electric	3	Twister	3	Manufacturer	3
General Electric	4	Globe	4	Other	97
Lights of America	5	Spot	5	Can't Determine	98
MaxLite	6	Incand. Style lamp	6		
Osram Sylvania	7	Circline	7		
Philips Lighting Co	8	Replacement PL	8		
Technical Consumer Prod's	9	Reflector (Flood)	9		
Westinghouse	10	Other	97		
Greenlight	11				
Good Earth	12				
Bright Effects	13				
Lithonia	14				
Sea Gull	15				
Other	97				



MARKET ACTOR SURVEY INSTRUMENTS

Clothes Washer Market Actor Survey

Questions for all Actors

Effect of Regional or National Programs

- How have national ENERGY STAR programs and promotions affected your activities?
- How have the Alliance programs affected your activities?
- On a scale of 1 to 5 with 5 being very effective and 1 being not effective, how effective have the Alliance programs been on facilitating change in the clothes washer market? << Probe on perception of Alliance's role particularly with CEE>>
- While the DOE Energy Star spec is proposed to change to MEF 1.72 in 2007, the Alliance program is pushing an MEF of 1.8. What sort of effect do you think this difference will have on the market?

Progress Toward Standard Changes

- What sort of progress have you made toward a broader adoption of the proposed 1.72 MEF as the Energy Star standard for 2007? Can you describe any remaining issues you may have to work out to achieve this standard?
- How do you foresee the 2007 Energy Star changes with minimum MEF of 1.72 affecting the marketplace?
- Is there anything else that your company is doing in anticipation of this change?
- What is your company's reaction to the Energy Bill and how does that play into your efforts in the clothes washer market?

Manufacturer/Retailer Specific Questions

- What are your latest manufacturing or sales trends with respect to clothes washers?
- Can you tell me anything about tax credits that may be available to you for higher MEF machines.
- What clothes washer promotions are you planning for 2006?

Adoption Rates of High MEF Units (MEF >= 1.8)

- Can you describe your efforts to increase market awareness of efficient higher efficient units? How do your efforts differ with Energy Star or UHE (MEF >=1.8) units?
- Can you describe anything you've done to support retail sales efforts for efficient units?
- What have you seen so far in terms of the adoption of moderately high efficient units (MEF 1.6 or 1.72) versus high efficiency units (MEF 1.8)?

Tiered Rebate Effectiveness

- Some utilities offer rebates for Energy Star clothes washers. Do you think the rebates significantly increase sales of Energy Star models?
- Some rebates are tiered so that they emphasize MEF and pay more for a higher efficient unit. How effective do you think the tiered rebates are at increasing sales of the highest efficiency units?
- How does each type of rebate affect your activities?

Pricing

- What are the key pricing drivers for the higher efficient units? Are they different between the MEF 1.6 level and MEF 1.8?
- Do you see the differential price for higher efficiency units changing at all in the near future?

Market Barriers

- What do you see as market barriers to customers and suppliers for the higher efficiency units?
- How are you addressing those barriers?
- Are there other factors are affecting clothes washer sales or promotions that we may not have mentioned?

Lighting Market Actor Survey

Questions for all Actors

Effect of Regional or National Programs

- How have national ENERGY STAR programs and promotions affected your activities? with respect to pricing? diversity of supply? and product availability?
- How have the Alliance programs affected your activities?
- On a scale of 1 to 5 with 5 being very effective and 1 being not effective, how effective have the Alliance programs been on facilitating change in the lighting market? << Probe on perception of Alliance's role particularly with CEE>>
- How actively have you participated in the "Savings with a Twist" Promotion? << not specific quantities as we have that>>
- What has worked well for you with the promotion?
- What has not worked well?
- Since individual bulbs were widely promoted in the "Savings with a Twist" program, do
 you think the program response will affect the models or packaging you offer in the
 future?
- How else are your activities changing in response to the program? (Are buyers buying differently? Manufacturing changes?)

Consumer Awareness

- Can you describe anything you've done outside of the "Savings with a Twist" promotion to support retail sales efforts for Energy Star lighting? How about other efforts to support sales of compact fluorescents in general?
- Can you describe any other efforts you have taken to help increase market awareness of efficient lighting?

Pricing

- How would you describe the pricing trends for efficient lighting?
- How do you see the retail price of the bulbs changing as the promotion period ends? How low do you think prices need to stay to keep customers interested in the bulbs?

Product Quality

• How do you perceive current CFL product quality?

• Do you think the national quality testing initiatives have any effect on purchases or retail supplying of efficient lighting products?

Market Barriers

- What do you see as market barriers to customers and suppliers for the higher efficiency lighting?
- How are you addressing those barriers?

Manufacturer/Retailer Specific Questions

Manufacturing/Sales Behavior

- How have your manufacturing, sales, or other behaviors changed in the last year in support of efficient lighting? Do you foresee any additional changes in the near future?
- What promotions are you planning for 2006?
- Do you believe there are other factors that are affecting efficient lighting sales that we may not have mentioned?
- How do you anticipate the more stringent CLF specification revisions (effective later in 2007) will alter your manufacturing or sales behavior?
- How have the federal standards established by the Energy Bill (which are based on the 2001 Energy Star specification) affected stocking, pricing, and sales of CFLs. How do you think this will change consumer perception of the different between Energy Star and non-Energy Star bulbs?
- What are you doing in the fixture marketplace to expand sales? Do you have plans for new models that are more decorative? How much pressure are you feeling to develop new Energy Star fixtures to meet market demand?



PROJECT STAFF SURVEY INSTRUMENT

NEEA 2004-2005 Consumer Products Evaluation Interview Guide for NEEA Second Round Program Staff/Contractor Interviews FEBRUARY 2005

- Program implementation
 - Overview of roles of PECI and ECOS have these roles changed over time? staff and contractors
 - o Combining of lighting with appliances rationale, benefits, drawbacks
 - o Other agency involvement PEARL, National Energy Star, appliance standards
- Program status confirm our understanding of the goals, to-date accomplishments and plans for 2005, any problems or issues
- Other regional program activity utilities and national campaigns
 - o Large utility rebate programs changes over time
 - o National energy star campaign changes over time
 - o Other campaigns/programs?
- Retailer response to program
 - o What types of retailers does the program target? How are retailers contacted to participate?
 - o What is the level of retailer participation regionally (% and #) for lighting and appliances? Which types/geographic locations tend to be more involved? Less involved?
 - o How do participating retailers respond to support from NEEA?
- Utility response to program
 - o How do utilities learn about NEEA's services?

- Describe how the utilities can take advantage of NEEA's services and what % uses the services does this % differ by geographic location/type of utility (muni v. co-op v. IOU)
- o How do participating utilities respond to support from NEEA?
- Progress indicators
 - o what is the basis? are they realistic?
- Tracking of CFL sales
 - o source of data
 - o how it is compiled, analyzed,
 - o how often it is updated
 - o any changes over time in sources/process/data quality
 - o any shortcomings in approach
 - o suggestions for improvement
- Tracking of Energy Star market share D&R market share for Energy Star partner retailers; AHAM sales and market share estimates
 - o how this approach applies to the NW the effect of the D&R data reflecting only partner retailers are the data adjusted? caveated?
 - o any shortcomings to approach? suggestions for improvement?
- Tracking of UHE units as a % of all ES qualified units sold program incentive and sales records
 - o what portion of ES sales are rebated in the NW? is this method reliable? is it biased?
- Input on next wave of surveys
 - o Lighting Retailers:
 - CFL satisfaction
 - effect of program on promo practices, quality of program design & delivery

- o Lighting shelf:
 - CFL product availability, diversity, price
- o Appliance Retailers:
 - UHE units as a % of all ES qualified units sold
 - effect of program on promo practices, quality of program design & delivery
- o Appliance Mystery Shopper:
 - % of UHE units displayed
 - pricing of UHE units v. other ES units
 - initiative of sales staff in promoting UHEs
- o Utility staff:
 - participating utility assessment of program usefulness and effect on retailers and customers



CONSUMER LIGHTING SURVEY BANNER TABLES

E.1 BANNER 1

		=====		======		======		======	=== BAN	INER 1 =						======			
			C	ATEGORY										MOST	RECENT	STORE	TYPE	REPLACI	E
												1ST PU	RCHASE	PUR	CHASE			CFL W/	CFL
				Aware		REG:	ION									Groc./		ON BURI	TUOIT
			Non-			STATE							Drug/	rug/ All					
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-
		Total	chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total		560	323	167	71	289	271	63	60	162	275			183	104	196	294	258	19
	C%	100.0					100.0	100.0	100.0	100.0	100.0			100.0		100.0			100.0
		560	220	200	140	287	273	63	56	163	278	61	145	125	71	203	280	176	13
East of I5		289	170	82	37	289	0	63	60	53	112	47	113	101	54	97	164	139	12
	С%	51.5	52.7	49.0	52.1	100.0	0.0	100.0	100.0	33.0	40.8	52.5	53.1	55.2	52.1	49.2	55.8	54.0	61.5
		287	116	98	73	287	0	63	56	57	111	32	77	69	37	102	153	95	8
						F	E	IJ	IJ	GH	GH								
West of I5		271	152	85	34	0	271	0	0	108	163	43	100	82	50	100	130	119	7
	C%	48.5	47.3	51.0	47.9	0.0	100.0	0.0	0.0	67.0	59.2	47.5	46.9	44.8	47.9	50.8	44.2	46.0	38.5
		273	104	102	67	0	273	0	0	106	167	29	68	56	34	101	127	81	5
						177	TP.	т т	т т	CII	CII								

		======		=====		======		======	=== BAN	NER 1 =	======									
			C	ATEGORY												STORE	TYPE	REPLACE		
												1ST PU			CHASE			CFL W/C		
				Aware		REG:	ION											ON BURN	TUOI.	
				Non-					STA			_				Drug/				
			Pur-	Pur-	Un-	East	West					In	Before			Hard-			Un-	
				chaser			of I5	ID	MT	OR	WA	2005	2005	2005				Likely	-	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R	
Total	~ 0	560			71		271	63	60	162	275	89	213	183	104		294			
	C	100.0	100.0		100.0 140		100.0 273	100.0	100.0 56	100.0 163	100.0 278	100.0 61	100.0 145	100.0 125	100.0 71		100.0 280	100.0 176		
		500	220	200	140	287	2/3	0.3	50	103	2/8	91	145	125	/1	203	280	1/6	13	
WA		275	155	84	36	112	163	0	0	0	275	41	103	95	44	104	126	123	10	
WII	C2	49.2	48.2		50.7			0.0	0.0	0.0	100.0	45.9	48.3	52.0	42.3		42.8			
	0.0	278	10.2		71		167	0.0	0.0	0.0	278	28	70	65	30		126			
		2,0	100	101		F	E	J	J	J	GHI	20		03	30	P	0		•	
OR		162	91	50	21	53	108	0	0	162	0	25	60	50	26	50	99	78	3	
	C%	28.9	28.2	30.0	29.3	18.5	39.9	0.0	0.0	100.0	0.0	27.9	28.3	27.2	25.4	25.2	33.7	30.1	15.4	
		163	62	60	41	57	106	0	0	163	0	17	41	34	18	52	94	53	2	
						F	E	I	I	GHJ	I					P	0			
ID		63	37		9			63	0	0	0	10		19	16				3	
	C%	11.2			12.1			100.0	0.0	0.0	0.0	11.5		10.4	15.5					
		63	25	21	17	63	0	63	0	0	0	7	17	13	11	22	33	18	2	
						F	E	HIJ	G	G	G									
MT		60	40		6			0	60	0	0	13		19	18		31			
	C%	10.7	12.3					0.0	100.0	0.0	0.0	14.8		10.4	16.9					
		56	27	18	11	56 F	0 E	0 H	56 GIJ	0 H	0 H	9	17	13	12	24	27	21	2	

NEEA Consumer Lighting Survey (3321) S1. Have you ever heard of compact fluorescent light bulbs or CFLs? BASE: Total respondents

		=====	======			======			=== BAN	NER 1 =	=====	======				======			======	
			C	ATEGORY											RECENT	STORE		REPLACE		
												1ST PU	RCHASE	PURCHASE				CFL W/C	CFL	
				Aware		REG	ION									- Groc./		ON BURN	TUON	
				Non-					STA	TE						Drug/	All			
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-	
		Total	chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R	
Total		560	323	167	71	289	271	63	60	162	275	89	213	183	104	196	294	258	19	
	C%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
		560	220	200	140	287	273	63	56	163	278	61	145	125	71	203	280	176	13	
Yes		372	270	102	0	196	176	39	44	102	186	67	185	148	94	130	199	218	18	
	C%	66.3	83.6	61.0	0.0	67.8	64.8	62.4	73.1	63.3	67.6	75.4	86.9	80.8	90.1	66.2	67.8	84.7	92.3	
		306	184	122	0	158	148	31	33	84	158	46	126	101	64	112	157	149	12	
			CD	BD	BC							L	K							
No		178	48	60	70	90	88	24	15	57	83	19	26	32	9	61	90	35	1	
	C%							37.6	25.5	35.0	30.0		12.4	17.6				13.6	7.7	
		243						32	22	76	113	13	18	22	6		119	24	1	
		213	CD				11,	32	22	, 0	113	15	10	22	Ü	03	117	21	_	
Don't know		10	4	5	1	3	7	0	1	3	7	3	1	3	1	5	4	4	0	
2011 0 .1110#	C%							0.0	1.4	1.7	2.5		0.7	1.6	1.4		1.5	1.7	0.0	
	C 8	11									7			2.0		2.7			0.0	

S2. Compact fluorescent light bulbs, or CFLs, are small fluorescent bulbs that fit in regular light bulb sockets. CFLs look different than standard bulbs. They are often made out of thin tubes of glass bent into loops. Have you ever heard of them?

BASE: Respondents who never heard of CFL's

		=====	======		======	======		======	=== BAN	INER 1 =	======	=====		=====	======	======	======	======		
				ATEGORY								1ST PU	OCUNCE	MOST RECENT PURCHASE		STORE TYPE		REPLACE - CFL W/CFL		
			Aware Non- Pur- Pur- Un-			REG:	ION									Groc./		ON BURN		
						East	West		STA	TE 		In Before		In Before		Drug/ Hard-	All other		Un-	
		Total	chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely	
		A	В	C	D	E	F	G	н	1	J	K	L	M	N	0	P	Q	R	
Total		188	53	65	71	93	95	24	16	59	89	22	28	35	10	66	95	40	1	
	C%	100.0 254					100.0 125	100.0 32	100.0 23	100.0 79	100.0 120	100.0 15	100.0 19	100.0 24	100.0	100.0 91			100.0	
Yes		118					62	15	11	39	54	22		35					1	
	C%	62.5 114					64.6 58	63.7 15	65.7 12	65.1 38	59.9 49	100.0 15	100.0 19	100.0 24			67.4 62		100.0	
			D	D	BC															
No		71	0	0		37	34	9	6	21	36	0	0	0	0		31		0	
	C%	37.5 140	0.0				35.4 67	36.3 17	34.3 11	34.9 41	40.1 71	0.0	0.0	0.0	0.0		32.6 61	0.0	0.0	
		140	D	-	RC RC		07	Ι,	11	- 11	, ,	O	U	0	U	54	01	U	O	

		=====	======	======	======	======	======		=== BAN	NER 1 =	======				======	======					
				ATEGORY											RECENT	STORE		REPLACE			
												1ST PUR		PURCHASE				,			
				Aware		REG	ION									0100.7		ON BURN	NOUT		
				Non-					STA	TE						Drug/					
			Pur-	Pur-	Un-	East	West					In	Before		Before		other		Un-		
			chaser				of I5	ID	MT	OR	WA	2005	2005	2005				Likely	-		
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R		
Total		489	323	167	0	252	238	54	55	141	240	89	213	183	104	169	263	258	19		
	С%	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
		420	220	200	0	214	206	46	45	122	207	61	145	125	71	149	219	176	13		
Yes		59	41	18	0	26	33	7	3	24	25	15	23	22	12	21	31	35	3		
	С%	12.0	12.7	10.5	0.0	10.2	13.8	12.4	5.4	17.2	10.3	16.4	11.0	12.0	11.3	12.5	11.9	13.6	15.4		
		49	28	21	0	21	28	5	2	20	22	10	16	15	8	20	24	24	2		
No		424	279	146	0	224	201	47	52	117	210	75	186	160	91	144	231	220	16		
	С%	86.8	86.4	87.5	0.0	88.9	84.5	86.1	94.6	82.8	87.4	83.6	87.6	87.2	87.3	85.2	87.7	85.2	84.6		
		365	190	175	0	191	174	40	43	102	180	51	127	109	62	125	194	150	11		
Don't know		6	3	3	0	2	4	1	0	0	5	0	3	1	1	4	1	3	0		
	С%	1.3	0.9	2.0	0.0	0.9	1.7	1.5	0.0	0.0	2.3	0.0	1.4	0.8	1.4	2.3	0.3	1.1	0.0		
		6	2	4	0	2	4	1	Λ	Λ	5	0	2	1	1	4	1	2	Λ		

		=====	======		======	======			=== BAN	INER 1 =	======					======		:		
			C	ATEGORY										MOST 1	RECENT	STORE	TYPE	REPLACE	Ε	
						· -						1ST PUR	RCHASE	PURCHASE				012 11/012		
				Aware		REG	ION									0100.7		ON BURN	TUON	
				11011				STATE									All			
			Pur-			East	West					In	Before	In	Before		other		Un-	
			chaser			of I5	of I5	ID	MT	OR	WA	2005	2005	2005		ware		Likely	-	
		A	В	C	D	E	F	G	н	1	J	K	L	M	N	0	P	Q	R	
Total		489	323	167	0	252	238	54	55	141	240	89	213	183	104	169	263	258	19	
10041	C%	100.0	100.0		0.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	
		420						46	45	122	207	61	145	125	71		219	176		
Yes		129	103	27	0	69	60	5	28	31	65	28	72	63	32	52	67	85	4	
	C%	26.4	31.8	16.0	0.0	27.6	25.2	10.0	50.6	21.8	27.3	31.1	33.8	34.4	31.0	30.9	25.6	33.0	23.1	
		102	70	32	0	56	46	5	21	24	52	19	49	43	22	43	51	58	3	
			С	В				HJ	GIJ	Н	GH									
No		306	188	118	0	164	142	45	25	88	148	53	119	107	59	91	175	150	15	
	С%		58.2		0.0			82.6	45.2	62.7	61.8	59.0	55.9	58.4	56.3		66.4	58.0	76.9	
		270	128			141	129	37	22	78	133	36	81	73	40	82		102	10	
			С	В				HIJ	GIJ	GH	GH					P	0			
Don't know		54	32	22	0	18	36	4	2	22	26	9	22	13	13	26	21	23	0	
	C%		10.0					7.3	4.2	15.4	10.8	9.8	10.3	7.2	12.7			9.1	0.0	
		48	22	26	0			4	2	20	22	6	15	9	9	24	17	16	0	
						F	E									P	0			

NEEA Consumer Lighting Survey (3321) S4. Have you ever purchased any CFLs? BASE: Respondents who are aware of CFLs

		=====				======		======	=== BAN	INER 1 =	======								
				ATEGORY								1ST PUF	RCHASE	MOST F	RECENT	STORE		REPLACI	
				Aware Non-		REG	ION		STA	TE						Groc./ Drug/		ON BURI	NOUT
			Pur-	Pur-	Un-	East	West					In	Before	In	Before		other		Un-
			chaser				of I5	ID	MT	OR	WA	2005	2005	2005		ware			
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total		489	323	167	0	252	238	54	55	141	240	89	213	183	104	169	263	258	19
	C%	100.0		100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	
		420	220	200	0	214	206	46	45	122	207	61	145	125	71	149	219	176	13
Yes		323	323	0	0	170	152	37	40	91	155	89	213	183	104	104	186	258	19
	C%	65.9		0.0				67.7	72.5	64.5	64.9		100.0	100.0	100.0		70.8	100.0	
		220	220 C	0 B		116	104	25	27	62	106	61	145	125	71	71	127	176	13
No		158	0				79	17	15	47	79	0	0	0	0		74	0	0
	С%			94.5				30.8	27.5	33.1	33.1	0.0	0.0	0.0	0.0			0.0	
		189	0 C	189 B		94	95	20	18	56	95	0	0	0	0	75	89	0	0
Don't know		9	0	9			6	1	0	3	5	0	0	0	0	-	3	0	0
	C%		0.0	5.5			2.5	1.5	0.0	2.4	2.1	0.0	0.0	0.0	0.0		1.0	0.0	0.0
		11	0 C	11 B		4	-/	1	0	4	6	0	0	0	0	3	3	0	0

	=	=====	CZ	ATEGORY				======	=== BAN	NER 1 =		====== 1ST PUF		MOST I	===== RECENT CHASE	STORE	TYPE	REPLACE	2
				Aware Non-		REG	ION		STA	TE						Groc./ Drug/		ON BURN	OUT
			chaser		aware		West of I5 F	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	
Total	C%	323 100.0 220	323 100.0 220	0.0	0.0	100.0	100.0	37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125	100.0		186 100.0 127	100.0	100.0
1	C%	54 16.8 37	54 16.8 37	0.0	0.0	16.4		9 24.0 6	10 25.9 7	13 14.5 9	22 14.2 15	19 21.3 13	32 15.2 22	18 9.6 12 N	29.6 21	16.9 12	29 15.7 20	10.2	38.5
2	C%	72 22.3 49	72 22.3 49	0.0	0.0	26.7		12 32.0 8	15 37.0 10	18 19.4 12	28 17.9 19	25 27.9 17	43 20.0 29	35 19.2 24	29.6	18.3	51 27.6 35	21.6	6 30.8 4
3	С%	54 16.8 37	54 16.8 37	0.0	0.0	16.4	26 17.3 18	1 4.0 1	7 18.5 5	16 17.7 11	29 18.9 20	15 16.4 10	37 17.2 25	32 17.6 22	15.5	16.9	32 17.3 22	19.9	0.0
4	C%	34 10.5 23	34 10.5 23	0.0	0.0	11.2	15 9.6 10	6 16.0 4	3 7.4 2	12 12.9 8	13 8.5 9	9 9.8 6	23 11.0 16	23 12.8 16	7.0	14.1	16 8.7 11	10.8	7.7 1
5-6	С%	35 10.9 24	35 10.9 24	0.0	0.0	12.1	9.6	6 16.0 4	0.0	9 9.7 6	21 13.2 14	4 4.9 3	29 13.8 20	29 16.0 20 N	2.8	11.3	19 10.2 13	13.1	7.7
More than 6	C%	37 11.4 25	37 11.4 25	0.0	0.0	9.5	13.5	1 4.0 1	3 7.4 2	9 9.7 6	23 15.1 16	7 8.2 5	28 13.1 19	28 15.2 19 N	5.6	8.5	23 12.6 16		0.0
	MEAN:	5.11	5.11	*	*	5.78	4.30	2.88 J	6.15	5.42	5.22 G	3.26 L	6.01 K	5.19	5.42	5.51	5.02	5.25 R	2.09 Q

		=====			======				=== BAN	NER 1 =		======					======		=====
			C	ATEGORY										MOST	RECENT	STORE	TYPE	REPLACE	i
												1ST PU	RCHASE	PUR	CHASE			CFL W/C	!FL
				Aware		REG	ION									Groc./		ON BURN	OUT
				Non-					STA	TE						Drug/	All		
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-
		Total		chaser		of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005			Likely	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Don't know		37	37	0	0	13	23	1	1	15	19	10	21	18	10	15	15	29	3
	C	₺ 11.4	11.4	0.0	0.0	7.8	15.4	4.0	3.7	16.1	12.3	11.5	9.7	9.6	9.9	14.1	7.9	11.4	15.4
		25	25	0	0	9	16	1	1	10	13	7	14	12	7	10	10	20	2
	MEAN:	5.11	5.11	*	*	5.78	4.30	2.88	6.15	5.42	5.22	3.26	6.01	5.19	5.42	5.51	5.02	5.25	2.09
	PILITAIN.	3.11	. ,,,,,			3.70	4.50	Z.00 J	0.13	3.42	J.22 G			3.17	3.42	3.31	3.02	7.23 R	2.05 Q

	=	=====	C	ATEGORY			======	======	=== BAN	NER 1 =		1ST PU		MOST 1	===== RECENT CHASE	STORE	TYPE	REPLACI	Ξ
				Aware Non-		REG	ION		STA	TE								ON BURI	
				chaser	aware		West of I5 F	ID	MT	 OR	WA	2005	Before 2005	2005	2005	Hard- ware	other stores		
		A	B	C	D	E	F	G	н	1	J	K	P	M	N	0	P	Q	K
Total	C%	323 100.0 220	323 100.0 220	0.0	0.0		152 100.0 104	37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125			186 100.0 127	258 100.0 176	19 100.0 13
This fall	C%	12 3.6 8		0.0	0.0	6 3.4 4	6 3.8 4	0.0	1 3.7 1	6 6.5 4	4 2.8 3	12 13.1 8	0.0	0.0	0.0	2.8	7 3.9 5	4.0	0.0
Within the last year	C%	78 24.1 53	78 24.1 53	0.0	0.0		37 24.0 25	10 28.0 7	12 29.6 8	19 21.0 13	37 23.6 25	78 86.9 53 L	0 0.0 0 K	69 37.6 47 N	7 7.0 5 M	26.8 19	48 26.0 33	65 25.0 44	6 30.8 4
Less than two years ag	•	60 18.6 41	60 18.6 41	0.0	0.0		31 20.2 21	6 16.0 4	7 18.5 5	13 14.5 9	34 21.7 23	0.0 0.0 L	60 28.3 41 K	26 14.4 18 N	34 32.4 23 M	23.9 17	28 15.0 19	44 17.0 30	6 30.8 4
Less than five years ago	C%	111 34.5 76	111 34.5 76	0.0	0.0		56 36.5 38	13 36.0 9	13 33.3 9	32 35.5 22	53 34.0 36	0 0.0 0 L	111 52.4 76 K	63 34.4 43	44 42.3 30	23.9	70 37.8 48 O	94 36.4 64	3 15.4 2
Less than 10 years ago	C%	29 9.1 20	29 9.1 20	0.0	0.0		6 3.8 4 E	12.0 3	11.1 3	10 11.3 7	10 6.6 7	0.0 0.0 L	29 13.8 20 K	18 9.6 12		9.9	18 9.4 12	22 8.5 15	7.7 1
More than 10 years ago	C%	12 3.6 8	12 3.6 8	0.0	0.0	2.6	7 4.8 5	1 4.0 1	0.0	4 4.8 3	6 3.8 4	0.0	5.5	6 3.2 4	5.6	4.2	7 3.9 5	3.4	0.0
Don't know	C%	21 6.4 14	21 6.4 14	0.0	0.0		10 6.7 7	1 4.0 1	1 3.7 1	6 6.5 4	12 7.5 8	0.0	0.0	1 0.8 1	1.4	8.5	7 3.9 5	5.7	3 15.4 2

NEEA Consumer Lighting Survey (3321) Q2B. When was your most recent CFL purchase? Would you say it was... BASE: CFL Purchaser within the last year

	=	=====	C	ATEGORY			======		=== BAN	INER 1 =	======	1ST PUI		MOST 1	====== RECENT CHASE	STORE	TYPE	REPLACI	Ξ
				Aware Non-		REG	ION		STA	ΔTE						Drug/		ON BURN	NOUT
				Pur- chaser			West of I5 F	ID	MT	OR	WA	In 2005 K		2005	2005		stores		Un- likely R
Total	C%	311 100.0 212	100.0	0.0	0.0	100.0	100.0	37 100.0 25	38 100.0 26	85 100.0 58	151 100.0 103	78 100.0 53	213 100.0 145	183 100.0 125		100.0	179 100.0 122	248 100.0 169	19 100.0 13
This fall	C%	60 19.3 41	19.3	0.0	0.0	17.0	22.0	7 20.0 5	4 11.5 3	13 15.5 9	35 23.3 24	22 28.3 15	38 17.9 26	60 32.8 41 N	0.0		31 17.2 21	23.1	0.0
Within the last year	C%	123 39.6 84	39.6		0.0	44.6	34.0	12 32.0 8	15 38.5 10	37 43.1 25	60 39.8 41	47 60.4 32 L	75 35.2 51 K	123 67.2 84 N	0.0	36.2 25	78 43.4 53	104 42.0 71	9 46.2 6
Less than two years ago		67 21.7 46	21.7	0.0	0.0	22.3	21.0	10 28.0 7	12 30.8 8	16 19.0 11	29 19.4 20	7 9.4 5 L	59 27.6 40 K	0.0 0.0 0	64.8 46	19 18.8 13	43 23.8 29	47 18.9 32	7 38.5 5
Less than five years ago	C%	32 10.4 22	10.4	0.0	0.0	8.0	13.0	6 16.0 4	4 11.5 3	10 12.1 7	12 7.8 8	0 0.0 0 L	32 15.2 22 K	0.0 0.0 0	31.0 22	11.6	16 9.0 11	22 8.9 15	7.7 1
Less than 10 years ago	C%	4 1.4 3	1.4	0.0	0.0	2.7	0.0	0.0	1 3.8 1	0.0	3 1.9 2	0.0	2.1 3	0.0 0.0 0	4.2	1.4	3 1.6 2	1 0.6 1	0.0
Don't know	C%	23 7.5 16	7.5	0.0	0.0	5.4	10.0	1 4.0 1	1 3.8 1	9 10.3 6	12 7.8 8	1 1.9 1	2.1	0.0	0.0	10 10.1 7	9 4.9 6	16 6.5 11	7.7 1

	=	:====:	C.	ATEGORY			======	======	=== BAN	INER 1 =	:=====			MOST 1	RECENT	STORE	TYPE	REPLAC	E
				Aware Non-		REG	ION		STA	re		1ST PUI	RCHASE		CHASE	Groc./		ON BUR	
	7	[otal	Pur- chaser	Pur-	Un- aware	East					WA		Before 2005			Hard-	other		Un- likely
	-	A	B	C	D	E	F	G	H	I	J	K							
Total	C%	183 100.0 125	183 100.0 125	0.0	0.0	100.0	100.0	19 100.0 13	19 100.0 13	50 100.0 34	95 100.0 65	69 100.0 47	113 100.0 77	183 100.0 125	0.0	100.0	109 100.0 74	161 100.0 110	100.0
None	C%	23 12.8 16	23 12.8 16	0.0	0.0	17.4	7.1	23.1 3	7.7 1	9 17.6 6	9 9.2 6	10.6	14.3	23 12.8 16	0.0	15.0	15 13.5 10	22 13.6 15	0.0
1	C%	18 9.6 12	18 9.6 12	0.0	0.0	8.7	10.7	7.7 1	23.1 3	6 11.8 4	6 6.2 4	10.6	9.1	18 9.6 12	0.0	10.0	10 9.5 7	15 9.1 10	0.0
2	C%	16 8.8 11	16 8.8 11	0.0	0.0	7.2	10.7	7.7 1	3 15.4 2	6 11.8 4	6 6.2 4		10 9.1 7	16 8.8 11	0.0	7.5	12 10.8 8	6.4	0.0
3	C%	12 6.4 8	12 6.4 8	0.0	0.0	5.8	7.1	3 15.4 2	0.0	1 2.9 1	7 7.7 5	3 4.3 2	7.8	12 6.4 8	0.0	5.0	9 8.1 6	12 7.3 8	0.0
4	C%	16 8.8 11	16 8.8 11	0.0	0.0	5.8	12.5	7.7 1	0.0	3 5.9 2	12 12.3 8	4 6.4 3		16 8.8 11	0.0	12.5		15 9.1 10	16.7
5	C%	13 7.2 9	13 7.2 9	0.0	0.0	8.7	5.4	3 15.4 2	7.7 1	3 5.9 2	6 6.2 4		9.1	13 7.2 9	0.0	5.0		7.3	0.0
6	C%	26 14.4 18	26 14.4 18	0.0	0.0	14.5	14.3	3 15.4 2	0.0	10 20.6 7	13 13.8 9	13 19.1 9		26 14.4 18	0.0	10.0	18 16.2 12	14.5	16.7

		=====	======	======	======	======	======		=== BAN	NER 1 =	======						======	======	======
			C.	ATEGORY											RECENT	STORE		REPLAC:	
												1ST PUR	RCHASE	PUR	CHASE				
				Aware		REG	ION									0100.7		ON BUR	NOUT
			D	Non- Pur-	Un-		West		STA			T	Before	T	D. f		All		Un-
		Total	Pur- chaser			East of I5	of I5	ID	MT	OR	WA	In 2005	2005	In 2005	2005			Tikolar	likely
							F											-	R
			D	C	D		-	G		-	Ü	10	_	11	24	Ü	-	Q	10
7-10		18	18	0	0	10	7	1	1	1	13	12	6	18	0	7	a	15	3
7 10	C%				0.0			7.7	7.7		13.8			9.6			8.1		
		12						1	1	1	9	8	4	12			6		
												L	K						
More than 10		35	35	0	0	19	16	0	6	9	21	12	23	35	0	13	19	34	1
	C%	19.2	19.2	0.0	0.0	18.8	19.6	0.0	30.8	17.6	21.5	17.0	20.8	19.2	0.0	22.5	17.6	20.9	16.7
		24	24	0	0	13	11	0	4	6	14	8	16	24	0	9	13	23	1
Don't know		6	6	0	0	3	3	0	1	1	3	1	4	6	0	0	3	4	1
DOIL C KHOW	C%							0.0	7.7		3.1								16.7
		4						0	1	1	2	1	3	4			2		
	MEAN:	8.55	8.55	*	*	8.65	8.44	4.50 J	8.91	8.85	9.05 G	7.66	9.17	8.55	*	9.79	8.02	9.11	7.80

	=							======	=== BAN	INER 1 =	======								=====
				ATEGORY								1ST PU	RCHASE		RECENT CHASE	STORE		REPLACE CFL W/C	
				Aware		REG			~									ON BURN	
			Pur-	Non- Pur-	Un-	East	West		STA	 7.T.F?		Tn	Before	Tn	Before	Drug/ Hard-	other		Un-
			chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
	-	-A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total		323	323	0	0		152	37	40	91	155	89	213	183		104	186		19
	C%	100.0	100.0	0.0	0.0		100.0 104	100.0 25	100.0 27	100.0	100.0	100.0	100.0 145	100.0 125				100.0 176	100.0 13
		220	220	O	O	110	101	23	27	02	100	01	143	123	7 1	, 1	127	170	13
Home centers		135	135	0	0	60	75	16	9	47	63	40	87	78	43	32	88	111	9
	C%	41.8		0.0	0.0		49.0	44.0 11	22.2	51.6 32	40.6	44.3	40.7	42.4		31.0			46.2
		92	92	0	U	41 F	51 E	11	6	32	43	27	59	53	29	22 P			6
Discount Department Stores	C2	73 22.7	73 22.7	0.0	0.0		29 19.2	10 28.0	10 25.9	23 25.8	29 18.9	19 21.3	51 24.1	47 25.6		19 18.3	48 26.0		3 15.4
DCOLCB	Co	50	50	0.0	0.0			7	7	16	20	13	35	32					2
Buying clubs		37	37	0	0	26	10	4	6	6	21	13	22	23	7	3	31	32	3
	C%	11.4		0.0	0.0			12.0	14.8	6.5	13.2	14.8	10.3	12.8					15.4
		25	25	0	0	18 F		3	4	4	14	9	15	16	5	2 P	21 0		2
Hardware stores	as.	57 17.7	57 17.7	0.0	0.0		21 13.5	7 20.0	10 25.9	15 16.1	25 16.0	12 13.1	41 19.3	29 16.0					7 38.5
	Co	39		0.0				5	7	10.1	17	8		20			15		5
																P	0		
Supermarkets		18	18	0	0	9	9	1	3	3	10	4	9	7	3	12	3	12	0
	C%	5.5		0.0	0.0			4.0	7.4	3.2	6.6	4.9	4.1	4.0					0.0
		12	12	0	0	6	6	1	2	2	7	3	6	5	2	8 P	2		0
Lighting supply store	S C%	9 2.7	9 2.7	0.0	0.0			8.0	3 7.4	0.0	3 1.9	3.3	6 2.8	2.4					0.0
	Ca	2.7		0.0	0.0			2	7.4	0.0	2.9	2		3					0.0
Mail Order Catalog		3	3	0	0	1	1	0	0	0	3	0	3	3	0	1	0	3	0
2	С%	0.9	0.9	0.0	0.0			0.0	0.0	0.0	1.9	0.0	1.4	1.6		1.4			0.0
		2	2	0	0	1	1	0	0	0	2	0	2	2	0	1	0	2	0

			======				======		=== BAN	NNER 1 =			======		======			======	======
			C	ATEGORY										MOST	RECENT	STORE	TYPE	REPLACI	£
												1ST PU	RCHASE	PUR	CHASE			CFL W/	CFL
				Aware		REG	ION									Groc./		ON BURI	TUOK
				Non-					STA	ATE						Drug/	All		
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-
		Total	chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Over the Internet		1	1	0	C	1	0	0	0	0	1	0	1	1	0	0	1	1	0
	C%	0.5	0.5		0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.0	0.7	0.8	0.0	0.0	0.8	0.6	0.0
		1	1	0	C) 1	0	0	0	0	1	0	1	1	0	0	1	1	0
Other		4	4	0	C) 3	1	0	1	1	1	1	3	4	0	1	1	4	0
	C%	1.4	1.4	0.0	0.0	1.7	1.0	0.0			0.9	1.6	1.4	2.4	0.0	1.4	0.8	1.7	
		3	3	0				0	1	1	1		2	3			1	3	
Don't know		12	12	0	0) 3	9	0	3	0	9	1	10	4	7	6	6	6	0
Doll C Milow	C%								7.4										
	C 8												1.0			3.0			0.0

NEEA Consumer Lighting Survey (3321) Q5. Thinking about your most recent purchase, why did you choose CFLs as opposed to regular light bulbs? BASE: CFL Purchasers

	=====	C.	ATEGORY			======		=== BAN	INER 1 =	======	1ST PU		MOST 1	===== RECENT CHASE	STORE	TYPE	REPLACI	Ξ
			Aware Non-		REG	ION		STA	ATE								ON BURI	TUO
					East of I5	West of I5 F	ID	MT	OR	WA	2005	Before 2005	2005	2005	Hard- ware	other stores		
	A	8		D	E	r	G	н	1	0	K			M	0	P	Q	K
Total C%	323 100.0 220	100.0	0.0	0.0	100.0		37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71		186 100.0 127	258 100.0 176	19 100.0 13
Reduce electricity bill	66 \$ 20.5 45	20.5	0.0	0.0	20.7	20.2	3 8.0 2	7 18.5 5	26 29.0 18	29 18.9 20	22 24.6 15	43 20.0 29	43 23.2 29	16 15.5 11	22.5	34 18.1 23		1 7.7 1
	43	43	U	U	24	21	2	5	10	20	15	29	29	11	10	23	40	1
Save/conserve energy	204 63.2 139	63.2	0.0	0.0	62.9	63.5	22 60.0 15	29 74.1 20	60 66.1 41	92 59.4 63	47 52.5 32	142 66.9 97	114 62.4 78	69 66.2 47	66 63.4 45	120 64.6 82	164 63.6 112	15 76.9 10
Extra cost for CFL was minimal C%	18 5.5 12	5.5		0.0	6.0	4.8	3 8.0 2	1 3.7 1	1 1.6 1	12 7.5 8	10 11.5 7 L	6 2.8 4 K	13 7.2 9		3 2.8 2	12 6.3 8	5.7	3 15.4 2
Energy savings worth the extra up-front costC%	38 11.8 26	11.8	0.0		14.7	8.7	7 20.0 5	3 7.4 2	6 6.5 4	22 14.2 15	12 13.1 8	26 12.4 18	25 13.6 17	13 12.7 9	8.5	28 15.0 19	35 13.6 24	0.0
Cost savings worth the extra up-front cost C%	19 5.9 13	5.9	0.0		5.2	6.7	1 4.0 1	1 3.7 1	4 4.8 3	12 7.5 8	9 9.8 6	10 4.8 7	15 8.0 10	2.8	5.6			7.7 1
It is the "right thing to do" C9	3 0.9 2	0.9	0.0	0.0	0.9	1.0	0.0	0.0	0.0	3 1.9 2	3 3.3 2 L	0 0.0 0 K	3 1.6 2	0.0	0.0	1.6	1.1	0.0
Product works better/is higher quality C%	13 4.1 9	4.1	0.0		4.3	3.8	0.0	1 3.7 1	7 8.1 5	4 2.8 3	4 4.9 3	9 4.1 6	10 5.6 7	2.8	2.8	5.5	5.1	0.0

NEEA Consumer Lighting Survey (3321)
Q5. Thinking about your most recent purchase, why did you choose CFLs as opposed to regular light bulbs?

	=	=====				======			=== BA1	NER 1 =	=====					======			
				ATEGORY								1ST PUI	RCHASE		RECENT CHASE	STORE		REPLAC	
				Aware Non-		REG	ION		STA	ATE						Groc./ Drug/		ON BUR	
		otal		Pur- chaser			West of I5 F	ID	MT	OR I	WA	2005	Before 2005 L	2005	2005		stores	Likely	Un- likely R
																		~	
Like to have new, high- tech products	C%	1.4 3	4 1.4 3				3 1.9 2	0.0	0.0	0.0	2.8 3		0.7 1	0.8 1	1 1.4 1	3 2.8 2	0.0	0.6 1	0.0
Friends/family suggested	C%	1.4 3	4 1.4 3				1 1.0 1	1 4.0 1	3.7 1	0.0	0.9 1	4 4.9 3 L		4 2.4 3	0.0			3 1.1 2	0.0
To try them out	C%	19 5.9 13	19 5.9 13	0.0	0.0	10 6.0 7	9 5.8 6	3 8.0 2	3.7 1	7 8.1 5	7 4.7 5	1 1.6 1	15 6.9 10	6 3.2 4	7 7.0 5	6 5.6 4	10 5.5 7	13 5.1 9	7.7 1
Other	C%	1 0.5 1	1 0.5 1		0.0		0.0	0.0	0.0	1 1.6 1	0.0	1.6		1 0.8 1	0.0	0.0	0.8	1 0.6 1	
Don't know	C%	4 1.4 3	4 1.4 3	0.0			3 1.9 2					0.0		0.0		1 1.4 1			

NEEA Consumer Lighting Survey (3321) Q5B. Was there a special promotion or sale at the store when you bought your most recent CFL(s)?

		=====				======			=== BAN	NER 1 =				======		======			
			C	ATEGORY										MOST F		STORE		REPLACE	
												1ST PUF			CHASE			CFL W/C	
				Aware		REG:			CITIA	mn.						0100.7	711	ON BURN	
			D	Non- Pur-	Un-		W		STA			T	Before	T	D. f	Drug/	other		Un-
		Total	Pur- chaser			East of I5	West of I5	ID	MT	OR	WA	In 2005	2005	In 2005	Before	ware			
							F												
		A	В	C	Б		F	G	n	1	0	K			14	0	F	Q	K
Total		323	323	0	0	170	152	37	40	91	155	89	213	183	104	104	186	258	19
10041	C &	100.0		0.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0
	0.	220	220	0			104	25	27	62	106	61	145	125	71		127	176	13
				-	·														
Yes		84	84	0	0	38	45	6	6	26	45	22	59	51	22	32	43	70	7
	C%			0.0	0.0			16.0	14.8	29.0	29.2			28.0	21.1			27.3	38.5
		57	57	0	0	26	31	4	4	18	31	15	40	35	15	22	29	48	5
No	~^	214		0			94	29	31	57	97	63	139	120	75		129	169	10
	C%			0.0			61.5	80.0	77.8	62.9	62.3	70.5	65.5 95	65.6	71.8 51			65.3	53.8
		146	146	0	0	82	64	20	21	39	66	43	95	82	51	44	88	115	,
Don't know		25	25	0	0	12	13	1	3	7	13	4	15	12	7	7	15	19	1
	C%	7.7	7.7	0.0	0.0	6.9	8.7	4.0	7.4	8.1	8.5	4.9	6.9	6.4	7.0	7.0	7.9	7.4	7.7
		17	17	0	0	8	9	1	2	5	9	3	10	8	5	5	10	13	1

	=	:====:	C	ATEGORY			======	======	=== BAN	NER 1 =				MOST I	EEEENT CHASE	STORE	TYPE	REPLACE	:
				Aware Non-		REG	ION		STA	TE		1ST PUF				Groc./ Drug/		ON BURN	OUT
				chaser		East of I5 E		ID	MT	OR I	WA	2005		2005	2005		stores	Likely	
Total	C%	323 100.0 220		0.0	0.0	100.0	100.0	37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	100.0		258 100.0 176	19 100.0 13
\$1	C%	15 4.5 10	15 4.5 10	0.0	0.0	4.3	4.8	1 4.0 1	1 3.7 1	6 6.5 4	6 3.8 4	6 6.6 4	9 4.1 6	12 6.4 8 N		7.0 5	6 3.1 4	5.1	7.7 1
\$2	С%	19 5.9 13	19 5.9 13	0.0	0.0	6.9	4.8	12.0 3	0.0	4 4.8 3	10 6.6 7	3 3.3 2	16 7.6 11	16 8.8 11	3 2.8 2	1.4	15 7.9 10	15 5.7 10	1 7.7 1
\$3	С%	21 6.4 14	6.4	0.0	0.0	5.2	7.7	3 8.0 2	0.0	7 8.1 5	10 6.6 7	6 6.6 4	13 6.2 9	12 6.4 8		7.0			1 7.7 1
\$4	C%	12 3.6 8	12 3.6 8	0.0	0.0	1.7	5.8	0.0	0.0	7 8.1 5	2.8 3	1 1.6 1	10 4.8 7	10 5.6 7	1 1.4 1	2.8	9 4.7 6	12 4.5 8	0.0
\$5	C%	16 5.0 11		0.0		4.3	5.8	3 8.0 2	0.0	6 6.5 4	7 4.7 5	4 4.9 3	10 4.8 7	10 5.6 7	4 4.2 3	5.6	10 5.5 7	15 5.7 10	0.0
\$6-\$9	C%	15 4.5 10	15 4.5 10	0.0	0.0	6.0	2.9	1 4.0 1	4 11.1 3	4 4.8 3	4 2.8 3	3 3.3 2	12 5.5 8	9 4.8 6	6 5.6 4	5.6	9 4.7 6	13 5.1 9	0.0

		=====	======	======	======	======	======		=== BAN	NER 1 =					======	======		======	======
			C.	ATEGORY								1ST PU	OCUNCE		RECENT CHASE	STORE	TYPE	REPLACI	
				Aware Non-		REG	ION		STA	TE								ON BURI	
		Total		Pur- chaser		East of I5	West of I5 F	ID	MT	OR	WA	In 2005	Before 2005	2005	2005				Un- likely
		11	D	C	D		-	J		_	J	10		11	14	Ü	-	×	K
\$10 or more	C%		5.0	0.0	0.0			0.0	3 7.4	4.8	9 5.7						10 5.5	5.1	0.0
		11	11	0	0	5	6	0	2	3	6	3	7	6	2	2	/	9	0
Don't know	C%	180 55.9 123	55.9	0.0	0.0		56.7	21 56.0 14	23 59.3 16	47 51.6 32	89 57.5 61	56 62.3 38		92 50.4 63	62.0	60.6	52.8		61.5
Refused	C%	29 9.1 20	9.1	0.0	0.0		5.8	3 8.0 2	7 18.5 5	4 4.8 3	15 9.4 10	6 6.6 4	11.0	13 7.2 9	14.1	7.0		7.4	15.4
	MEAN:	6.21	6.21	*	*	7.24	5.21	3.33 J	9.67	7.07	5.69 G	5.32	6.47	6.15	6.24	5.17	6.77	6.24 R	

NEEA Consumer Lighting Survey (3321) Q6. Can you recall how you first became aware of CFLs? BASE: CFL Purchasers

	====:	C	===== ATEGORY			======	======	=== BAN	NER 1 =		1ST PU		MOST 1	===== RECENT CHASE	STORE	TYPE	REPLACI	E
			Aware Non-		REG	ION		STA	TE								ON BURI	
		Pur- chaser				West of I5 F	ID	MT	 OR	WA	In 2005 K	Before 2005 L	2005	2005	Hard- ware	other stores	Likely	
Total	32: C% 100.0 220	100.0	0.0	0.0	100.0	100.0	37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71		186 100.0 127	258 100.0 176	19 100.0 13
In store display/sale/ point of purchase mat	4, C% 13.0 30	13.6	0.0	0.0	16.4	10.6	9 24.0 6	4 11.1 3	9 9.7 6	22 14.2 15	19 21.3 13 L	22 10.3 15 K	25 13.6 17	9 8.5 6	12.7	28 15.0 19		23.1 3
Ad on television/ Internet/newspaper/etc	13: C% 40.! 89	40.5	0.0	0.0	41.4	39.4	12 32.0 8	18 44.4 12	41 45.2 28	60 38.7 41	25 27.9 17 L	100 46.9 68 K	73 40.0 50	44 42.3 30	45.1	70 37.8 48	101 39.2 69	9 46.2 6
Word of mouth	4' C% 14.! 3:	14.5	0.0	0.0	14.7		7 20.0 5	6 14.8 4	13 14.5 9	21 13.2 14	23 26.2 16 L	19 9.0 13 K	31 16.8 21	12 11.3 8	12.7	29 15.7 20	41 15.9 28	0.0
Sales person	C% 2.	9 7 2.7 5 6	0.0	0.0	4.3	1.0	4.0 1	1 3.7 1	3 3.2 2	3 1.9 2	1 1.6 1		6 3.2 4		1.4	7 3.9 5		0.0
Consumer Reports	1: C% 4.:		0.0	0.0	2.6	5.8	3 8.0 2	0.0	6 6.5 4	2.8 3	4 4.9 3	7 3.4 5	9 4.8 6	3 2.8 2	4.2	9 4.7 6	13 5.1 9	0.0
ENERGY STAR Program	10°C% 3.2		0.0	0.0	1.7	4.8	0.0	1 3.7 1	3 3.2 2	6 3.8 4	3 3.3 2	7 3.4 5	7 4.0 5		2.8	4 2.4 3	9 3.4 6	7.7 1
Utility (bill insert or mailing/announcement)		10.5	0.0	0.0	11.2	9.6	4 12.0 3	3 7.4 2	9 9.7 6	18 11.3 12	10 11.5 7	23 11.0 16	22 12.0 15	12 11.3 8	8.5	22 11.8 15	28 10.8 19	3 15.4 2

NEEA Consumer Lighting Survey (3321) Q6. Can you recall how you first became aware of CFLs? BASE: CFL Purchasers

		=====	C	ATEGORY		======	======	======	=== BAN	NER 1 =:	=====	1ST PU		MOST 1	===== RECENT CHASE	STORE		REPLAC:	Ξ
				Aware Non-		REG	ION		STA	TE								ON BURI	
			Pur- chaser	chaser			West of I5 F	ID G	MT	OR I	WA	In 2005 K	Before 2005 L	2005	Before 2005 N	ware			Un- likely R
Announcement by gov or other gov official	C%	1 0.5 1	1 0.5 1	0.0	0.0	0.0	1.0	0.0	0.0	1 1.6 1	0.0	0.0		0.0			0.8	0.6	0.0
Received CFL for Free, in the Mail	C%	1.8 4	6 1.8 4	0.0	0.0	1.7	1.9	0.0	0.0	1 1.6 1	4 2.8 3	1 1.6 1	2.1 3	3 1.6 2		1.4	2.4		0.0
Coupon in the mail	C%	9 2.7 6	9 2.7 6	0.0	0.0	0.9	4.8	0.0	0.0	7 8.1 5 J	0.9 1 I	3 3.3 2	2.1	3 1.6 2	3 2.8 2				0.0
While shopping/noticed them at store	C%	1.4		0.0	0.0	1.7	1.0	0.0	1 3.7 1	1 1.6 1	1 0.9 1	3 3.3 2 L	0.0	1 0.8 1	0.0	1.4	0.8		0.0
Other	C%	1.4	1.4 3	0.0	0.0	0.9	1.9	0.0	3.7 1	0.0	3 1.9 2	0.0		0.8 1	1 1.4 1	2.8 2	0.8	1.7 3	0.0
Don't know	C%	31 9.5 21	31 9.5 21	0.0	0.0	9.5	9.6	6 16.0 4	6 14.8 4	6 6.5 4	13 8.5 9	3 3.3 2	11.7	15 8.0 10	15 14.1 10	8.5	10.2	8.5	7.7 1

NEEA Consumer Lighting Survey (3321) Q7A. Do you currently have any CFLs installed in your home? BASE: CFL Purchasers

	=====		======	======	======		======	=== BAN	NER 1 =	======			=====	======	======			
		C	ATEGORY											RECENT	STORE		REPLACE	
			7		DEG	LON					1ST PU			CHASE			CFL W/C	
			Aware Non-		REG			STA	TE						Drug/		ON BURN	
		Pur-	Pur-	Un-	East	West					In	Before	In	Before	_	other		Un-
		chaser			of I5	of I5	ID	MT	OR	WA	2005	2005	2005				Likely	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total	32	3 323	0	0	170	152	37	40	91	155	89	213	183	104	104	186	258	19
C	C% 100.					100.0	100.0	100.0	100.0	100.0		100.0	100.0				100.0	100.0
	22	220	0	0	116	104	25	27	62	106	61	145	125	71	71	127	176	13
Yes	28					126	31	35	81	133		182	172		87	164		19
C	2% 86.5 19					82.7 86	84.0	88.9 24	88.7 55	85.8	90.2 55	85.5 124	93.6					
	19.	1 191	. 0	U	105	86	21	24	55	91	55	124	117 N			112	176	13
No	4					26	6	4	10	22		31	12			22	0	0
C	C% 13.						16.0	11.1	11.3	14.2			6.4					0.0
	2	9 29	0	0	11	18	4	3	7	15	6	21	8 N			15	0	0

	=	=====	C	ATEGORY			-=====	======	=== BAN	INER 1 =		1ST PUI		MOST 1	RECENT	STORE	TYPE	REPLACE	2
				Aware Non-		REG			STA							Groc./ Drug/	All	ON BURN	TUOI
					aware		West of I5 F	ID	MT	OR	WA	2005		2005	2005	ware	stores	Likely	Un- likely R
Total	C%	280 100.0 191	100.0	0.0	0.0		126 100.0 86	31 100.0 21	35 100.0 24	81 100.0 55	133 100.0 91	81 100.0 55	100.0	172 100.0 117		100.0		258 100.0 176	
1	C%	31 11.0 21	11.0	0.0	0.0	11.4	10.5	3 9.5 2	12 33.3 8	10 12.7 7	6 4.4 4		9.7		11	13.6 8	8.0		
2	C%	35 12.6 24	12.6	0.0	0.0	11.4	18 14.0 12	3 9.5 2	4 12.5 3	7 9.1 5	21 15.4 14	7 9.1 5	14.5	22 12.8 15	13 16.4 9	8.5	28 17.0 19		4 23.1 3
3	C%	43 15.2 29		0.0	0.0	16.2		4 14.3 3	3 8.3 2	12 14.5 8	23 17.6 16	16 20.0 11	13.7	29 17.1 20	10 12.7 7	18.6	15.2	41 15.9 28	1 7.7 1
4	C%	28 9.9 19	28 9.9 19	0.0	0.0	8.6	11.6	3 9.5 2	1 4.2 1	7.3	18 13.2 12	9 10.9 6	8.9	10.3		11.9	9.8	9.7	
5	C%	18 6.3 12	6.3	0.0	0.0	5.7		3 9.5 2	3 8.3 2		7 5.5 5	3 3.6 2	8.1	12 6.8 8		8.5		6.8	
6	C%	32 11.5 22	11.5	0.0	0.0	12.4	10.5	1 4.8 1	12.5	15 18.2 10	12 8.8 8	5.5	26 14.5 18	16 9.4 11	20.0	13.6	10.7	10.8	23.1 3

	=		CZ	ATEGORY		=====		======	=== BAN	NER 1 =		1ST PUF		MOST F	RECENT	STORE	TYPE	REPLACE	2
				Aware Non-		REG	ION		STA	TE						Groc./ Drug/	All	ON BURN	TUOI
			chaser			of I5		ID		OR	WA	2005	Before 2005 L	2005	2005		stores	Likely	
7-10	C%	31 11.0 21		0.0	0.0	13.3	8.1	4 14.3 3	3 8.3 2	10 12.7 7	13 9.9 9	13 16.4 9	13 7.3 9	19 11.1 13	7 9.1 5		25 15.2 17	31 11.9 21	0.0
11-20	C%	43 15.2 29	43 15.2 29	0.0	0.0	14.3	16.3	7 23.8 5	1 4.2 1	13 16.4 9	21 15.4 14	6 7.3 4	34 18.5 23	32 18.8 22 N	6 7.3 4 M	15.3 9	23 14.3 16	43 16.5 29	0.0
More than 20	C%	13 4.7 9	13 4.7 9	0.0	0.0	6 3.8 4	5.8	0.0	3 8.3 2	3 3.6 2	7 5.5 5	7 9.1 5	6 3.2 4	10 6.0 7	1 1.8 1	3 3.4 2	9 5.4 6	13 5.1 9	0 0.0 0
Don't know	C%	4 1.6 3	4 1.6 3	0.0	0.0	1 1.0 1	3 2.3 2	0.0	0.0	0.0	4 3.3 3	0.0	3 1.6 2	3 1.7 2	0.0	1 1.7 1	1 0.9 1	3 1.1 2	1 7.7 1
Refused	C%	3 1.0 2	3 1.0 2	0.0	0.0	3 1.9 2		1 4.8 1	0.0	0.0	1 1.1 1	3 3.6 2 L	0 0.0 0 K	3 1.7 2	0.0		1 0.9 1	1 0.6 1	7.7 1
	MEAN:	6.99	6.99	*	*	6.67	7.38	7.30	5.75	7.24	7.10	7.36	6.89	7.80 N	5.45 M		7.02	7.29 R	3.09 Q

NEEA Consumer Lighting Survey (3321) Q8A. Are you storing any for use as spares or to be installed at a later date? BASE: CFL Purchasers who currently have them installed

		=====			======	======		======	=== BAN	NER 1 =	======			======		======			=====
			C	ATEGORY										MOST F	RECENT	STORE	TYPE	REPLACE	2
												1ST PUR	RCHASE	PURG	CHASE			CFL W/C	CFL
				Aware		REG:	ION									Groc./		ON BURN	TUOI
				Non-					STA	TE						Drug/	All		
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-
		Total	chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
		A	B	C	D	E	F	G	H	I	J	K	L	M					
																		~	
Total		280	280	0	0	154	126	31	35	81	133	81	182	172	81	87	164	258	19
	С%	100.0	100.0	0.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		191	191	0	0	105	86	21	24	55	91	55	124	117	55	59	112	176	13
Yes		164	164	0	0	92	72	13	19	47	85	47	104	107	37	48	94	157	7
	С%	58.6	58.6	0.0	0.0	60.0	57.0	42.9	54.2	58.2	63.7	58.2	57.3	62.4	45.5	55.9	57.1	60.8	38.5
		112	112	0	0	63	49	9	13	32	58	32	71	73	25	33	64	107	5
														N	M				
No		110	110	0	0	59	51	18	15	32	45	32	73	62	41	38	65	95	12
	С%	39.3	39.3	0.0	0.0	38.1	40.7	57.1	41.7	40.0	34.1	40.0	40.3	35.9	50.9	44.1	39.3	36.9	61.5
		75	75	0	0	40	35	12	10	22	31	22	50	42	28	26	44	65	8
Don't know		6	6	0	0	3	3	0	1	1	3	1	4	3	3	0	6	6	0
	С%	2.1	2.1	0.0	0.0	1.9	2.3	0.0	4.2	1.8	2.2	1.8	2.4	1.7	3.6	0.0	3.6	2.3	0.0
		4	4	0	0	2	2	0	1	1	2	1	3	2	2	0	4	4	0

NEEA Consumer Lighting Survey (3321)

Q8B. How many?

BASE: CFL Purchasers who are storing any

			C	ATEGORY				======	=== BAN	NER 1 =		1ST PUR		MOST I	EECENT CHASE	STORE	TYPE	REPLACE	2
				Aware Non-		REG:			STA							Groc./ Drug/	All	ON BURN	TUOIT
				chaser	aware	East of I5 E		ID	MT	OR I	WA	2005		2005	2005		stores	Likely	
Total	C%	164 100.0 112	100.0	0.0	0.0	100.0	100.0	13 100.0 9		47 100.0 32		47 100.0 32		107 100.0 73		100.0		100.0	7 100.0 5
1	C%	26 16.1 18	16.1	0.0	0.0	15.9	12 16.3 8	1 11.1 1	30.8	6 12.5 4	15.5	9.4	22 21.1 15	18 16.4 12	20.0	27.3	14.1	16.8	0.0
2	C%	44 26.8 30	44 26.8 30	0.0	0.0	25.4		3 22.2 2		23 50.0 16 J	15 17.2 10 I	7 15.6 5	31 29.6 21	29 27.4 20	10 28.0 7	18.2			
3	C%	21 12.5 14	12.5	0.0	0.0	11.1	14.3	1 11.1 1	7.7		13 15.5 9	10 21.9 7	8.5	12 11.0 8		15.2	10.9	12.1	
4	C%	22 13.4 15	13.4	0.0	0.0	14.3	12.2		3 15.4 2	3 6.2 2	13 15.5 9	13 28.1 9 L	9 8.5 6 K	19 17.8 13	4.0 1	6.1	17.2	13.1	20.0 1
5-10	C%	29 17.9 20		0.0	0.0	22.2	9 12.2 6	1 11.1 1	3 15.4 2		19 22.4 13	6 12.5 4		16 15.1 11		18.2		17.8	20.0
More than 10	C%	9 5.4 6	5.4	0.0	0.0	6.3	4.1	3 22.2 2	1 7.7 1	0.0	4 5.2 3	4 9.4 3	4.2	6.8	4.0	6.1	6.3	5.6	0.0

NEEA Consumer Lighting Survey (3321) Q8B. How many?

BASE: CFL Purchasers who are storing any

		=====		ATEGORY Aware Non- Pur- Chaser		REG East	ION West of I5	ID	STA			1ST PU	RCHASE Before 2005	PUR	Before	Groc./ Drug/ Hard-	All other		CFL NOUT Un-
													L						
Don't know	C%	12 7.1 8		0.0	0.0	4.8		0.0	7.7		6.9	3.1	6 5.6 4	5.5	4.0	9.1	3.1		3 40.0 2
Refused	C%	1 0.9 1	0.9 1	0.0	0.0		2.0	0.0	0.0	0.0		0.0	1.4		4.0		0.0	1 0.9 1	0.0
	MEAN:	4.48	4.48	*	*	4.18	4.88	5.56	4.25	2.72	5.30	4.48	4.62	4.87	3.87	5.93	3.85	4.48	4.33

NEEA Consumer Lighting Survey (3321) Q8C. Thinking about your most recent purchase, how many of the CFLs you bought did you install? BASE: CFL Purchasers who are storing any

	===	====						======	=== BAN	NER 1 =	======								
				ATEGORY								1ST PUF	CUNCE		RECENT		TYPE	REPLACE CFL W/C	
				Aware		REG:	ION											ON BURN	
				Non-					STA								All		
	m- i	1	Pur-	Pur-	Un- aware	East		ID		OR			Before				other	Likely	Un-
							F												
Total		164		0		92		13	19	47	85	47		107	37				7
		112	100.0 112	0.0			100.0 49	100.0	100.0	100.0	100.0	100.0	100.0 71	100.0					100.0
		112	112	U	U	0.3	49	9	13	34	36	32	71	/3	25	33	04	107	5
None		1	1	0	0	0	1	0	0	1	0	0	1	1	0	0	1	1	0
	C%	0.9	0.9			0.0		0.0	0.0		0.0								
		1	1	0	0	0	1	0	0	1	0	0	1	1	0	0	1	1	0
1		28	28	0	0	15	13	1	3	3	21	6	21	22	4	9	15	25	3
	C% :		17.0	0.0		15.9		11.1	15.4	6.2		12.5	19.7	20.5	12.0			15.9	40.0
		19	19	0	0	10	9	1	2	2 J	14 I	4	14	15	3	6	10	17	2
2		34	34	0	0	25	9	4	4	7	18	10	23	28	4	9	22	34	0
	C% 2		20.5	0.0		27.0			23.1		20.7			26.0	12.0				0.0
		23	23	0	0	17	6	3	3	5	12	7	16	19	3	6	15	23	0
3		29	29	0	0	15	15	1	3	9	16	13	16	18	9	10	16	26	3
	C% :		17.9	0.0		15.9				18.7	19.0	28.1		16.4					40.0
		20	20	0	0	10	10	1	2	6	11	9	11	12	6	7	11	18	2
4-6		26	26	0	0	16	10	1	6	7	12	3	21	10	12	10	1.0	26	0
	C% [16.1	0.0		17.5	14.3	11.1	30.8	15.6	13.8	6.2	19.7	9.6	32.0				0.0
		18	18	0	0	11	7	1	4	5	8	2	14	7	8	7	7	18	0
7-10		21	21	0	0	13	7	3	1	9	7	6	10	13	3	3	18	21	0
•	C% :	12.5	12.5	0.0	0.0	14.3	10.2	22.2	7.7	18.7	8.6	12.5	9.9	12.3	8.0	6.1	18.8	13.1	0.0
		14	14	0	0	9	5	2	1	6	5	4	7	9	2	2	12	14	0

NEEA Consumer Lighting Survey (3321) Q8C. Thinking about your most recent purchase, how many of the CFLs you bought did you install? BASE: CFL Purchasers who are storing any

		======	======	======		======			=== BAN	NER 1 =	======		======		======			======	
			C	ATEGORY											RECENT	STORE	TYPE	REPLACE	3
				Aware Non-		REG	ION		STA	TE		1ST PU	RCHASE		CHASE			ON BURN	
			Pur-	Pur-	Un-	East	West					In	Before		Before		other		Un-
		Total		chaser		of I5	of I5	ID	MT	OR	WA	2005	2005	2005				Likely	-
		A	B	C	D	E	F	G	H	1	J	K	L	M	N	0	P	Q	R
More than 10		18								6	9	7							
	C%			0.0				11.1		12.5	10.3	15.6				12.1	9.4		
		12	12	0	0	4	8	1	1	4	6	5	5	8	1	4	6	12	0
Don't know		7	7	0										3					
	C%	4.5											4.2					3.7	
		5	5	0	0	2	3	0	0	3	2	1	3	2	2	1	2	4	1
	MEAN:	5.43	5.43	*	*	4.80	6.29	5.56	5.31	6.43	4.95	6.45	4.70	5.39	4.39	5.69	5.43		2.00

NEEA Consumer Lighting Survey (3321)
Q8C. Thinking about your most recent purchase, how many of the CFLs did you store to install later?
BASE: CFL Purchasers who are storing any

	=	:====:	C	ATEGORY			======	======	=== BAN					MOST 1	RECENT	STORE	TYPE	REPLACE CFL W/C	!
				Aware Non-		REG	ION		STA							Groc./		ON BURN	OUT
			chaser	chaser	Un- aware	East of I5	West of I5 F	ID	MT	OR	WA	2005	2005	2005	2005	Hard- ware	other stores	Likely	Un- likely
Total			100.0	0.0	0.0		72 100.0 49	100.0	100.0		100.0	100.0		100.0	100.0	100.0	100.0		100.0
None	C%		7 4.5 5	0.0	0.0	4.8	3 4.1 2	0.0	7.7	3.1	5.2	0.0	7.0	5.5	4.0	6.1	4.7	4.7	0.0
1	C%	28 17.0 19	17.0	0.0	0.0	17.5	12 16.3 8	11.1	30.8	18.7	13.8	12.5	19.7	17.8	16.0	27.3	15.6	16.8	
2	C%	28.6	47 28.6 32	0.0	0.0		19 26.5 13	33.3	7.7	46.9	22.4	18.7	31.0	31.5	24.0	21.2	31.3		
3	C%	12.5	21 12.5 14	0.0	0.0	9.5	12 16.3 8	0.0	15.4	9.4	15.5	12.5	14.1	12.3	16.0	12.1	9.4	13.1	0.0
4-6	C%		35 21.4 24	0.0	0.0	22.2	15 20.4 10	44.4	15.4	9.4	25.9	37.5	14.1 10	17.8	24.0		26.6	21.5	
More than 6	С%		9.8	0.0	0.0	12.7	4 6.1 3	11.1	23.1	0.0	12.1 7	12.5 4	9.9	12.3	8.0	15.2	7.8		0.0
	MEAN:	3.72	3.72	*	*	3.44	4.11	4.78	3.54		4.40 I		3.51	3.90	3.39	4.65	3.31	3.76	2.75

NEEA Consumer Lighting Survey (3321)
Q8C. Thinking about your most recent purchase, how many of the CFLs did you store to install later?
BASE: CFL Purchasers who are storing any

		=====				======			=== BAN	NER 1 =	=====								=====
			C	ATEGORY										MOST	RECENT	STORE	TYPE	REPLACE	
												1ST PU	RCHASE	PUR	CHASE			CFL W/C	FL
				Aware		REG	ION									Groc./		ON BURN	OUT
				Non-					STA	TE						Drug/	All		
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-
			chaser				of I5	ID	MT	OR								Likely	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Don't know		10	10	0	0	3	7	0	0	6	4	3	4	3	3	3	4	9	1
	C	% 6.2	6.3	0.0	0.0	3.2	10.2	0.0	0.0	12.5	5.2	6.2	4.2	2.7	8.0	6.1	4.7	5.6	20.0
		7	7	0	0	2	5	0	0	4	3	2	3	2	2	2	3	6	1
	MEAN:	3.72	3.72	*	*	3.44	4.11	4.78	3.54	2.14 J	4.40 I	4.43	3.51	3.90	3.39	4.65	3.31	3.76	2.75

NEEA Consumer Lighting Survey (3321) Q9A. Have you had any CFLs that you installed, but later removed and did not use elsewhere in your home? BASE: CFL Purchaser

	=	=====	======		======		======		=== BAN	NER 1 =	======					======			:=====
			C	ATEGORY										MOST I	RECENT	STORE	TYPE	REPLACE	ē.
												1ST PUR	RCHASE	PUR	CHASE			CFL W/C	FL
				Aware		REG	ION									Groc./		ON BURN	10UT
				Non-					STA	TE						Drug/	All		
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-
	Γ	otal	chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
	-	-A	B	C	D	E	F	G	H	I	J	K	L	$-\!-\!M\!-\!-\!-$	N	0	P	Q	R
Total		323	323	0	0	170	152	37	40	91	155	89	213	183	104	104	186	258	19
	С%	100.0	100.0	0.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		220	220	0	0	116	104	25	27	62	106	61	145	125	71	71	127	176	13
Yes		51	51	0	0	28	23	4	16	13	18	10	40	19	25	19	31	29	7
	С%	15.9	15.9	0.0	0.0	16.4	15.4	12.0	40.7	14.5	11.3	11.5	18.6	10.4	23.9	18.3	16.5	11.4	38.5
		35	35	0	0	19	16	3	11	9	12	7	27	13	17	13	21	20	5
														N	M				
No		265	265	0	0	139	126	29	23	78	135	79	167	161	76	85	154	227	10
	С%	82.3	82.3	0.0	0.0			80.0	59.3	85.5	86.8	88.5	78.6	88.0	73.2	81.7	82.7	88.1	53.8
		181	181	0	0	95	86	20	16	53	92	54	114	110	52	58	105	155	7
														N	M				
Don't know		6	6	0	0	3	3	3	0	0	3	0	6	3	3	0	1	1	1
	С%	1.8	1.8	0.0	0.0			8.0	0.0	0.0	1.9	0.0		1.6		0.0	0.8	0.6	7.7
		4	4	0						0	2	0	4	2			1	1	1

						======			=== BAN	NER 1 =									
				ATEGORY										PURC	CHASE			CFL W/	CFL
				Aware Non-		REG	LON		STA	ATE								ON BUR	
		Total	Pur- chaser	Pur- chaser			West of I5											Likelv	
							F												
Total		51	51	0	0	28	23	4	16	13	18	10	40	19	25	19	31	29	7
10041	C%	100.0	100.0	0.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		35	35	0	0	19	16	3	11	9	12	7	27	13	17	13	21	20	5
1		18	18	0	0			1	7		9	3		6					0
	C%	34.3 12					25.0 4	33.3	45.5 5	0.0	50.0 6	28.6 2	37.0 10	30.8 4		23.1			
2	a.	12 22.9				4 15.8		1 33.3		6 44.4	16.7					3 15.4			
	Ca	22.9						33.3			2	28.6	18.5	2	4	2			
3	C%	6 11.4							3 18.2		0.0	1 14.3	4 11.1	3 15.4					
		4	4	0	0	3				1	0	1	3	2	2	3	1	1	2
5		1	1	0	0	1	0	0	1	0	0	1	0	0	0	0	1	1	0
J.	C%	2.9	2.9	0.0	0.0	5.3	0.0	0.0	9.1	0.0	0.0	14.3	0.0	0.0	0.0			5.0	0.0
		1	1	U	U	1	U	U	1	U	U	1	U	U	U	U	1	1	0
6		3	3	0	0				0			0	3	3	0	0	3	3	0
	C%	5.7 2						0.0	0.0	11.1	8.3	0.0	7.4	15.4 2	0.0				
Don't know	a.	10 20.0						0					9 22.2					4 15.0	
	Ca	7						0.0	2	3				2	4				
	MEAN:	2.11	2.11	*	*	2.13	2.09	2.00	2.00	2.83	1.78	2.33	2.05	2.60	1.62	2.00	2.22	2.25	2.50

NEEA Consumer Lighting Survey (3321) Q9B. How many did you remove?

BASE: CFL purchasers who removed them

					======				=== BAN	NER 1 =	=====								=====
			C	ATEGORY										MOST 1	RECENT	STORE	TYPE	REPLACE	
												1ST PUR	RCHASE	PUR	CHASE			CFL W/C	FL
				Aware		REG	ION									0100.7		ON BURN	OUT
				Non-					STA	TE						Drug/	All		
			Pur-	Pur-	Un-	East	West						Before		Before		other		Un-
		Total		chaser		of I5		ID	MT	OR	WA	2005	2005	2005				Likely	-
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Refused		1	. 1	0	0	0	1	0	0	0	1	0	1	1	0	1	0	1	0
	C%	2.9	2.9	0.0	0.0	0.0	6.3	0.0	0.0	0.0	8.3	0.0	3.7	7.7	0.0	7.7	0.0	5.0	0.0
		1	. 1	0	0	0	1	0	0	0	1	0	1	1	0	1	0	1	0
	MEAN:	2.11	2.11	*	*	2.13	2.09	2.00	2.00	2.83	1.78	2.33	2.05	2.60	1.62	2.00	2.22	2.25	2.50

NEEA Consumer Lighting Survey (3321) Q10Al. What was the MAIN reason for taking the bulb(s) out? Was it because: BASE: CFL purchasers who removed bulbs

	=								=== BAN	INER 1 =				======					
				ATEGORY								1ST PUF	RCHASE		RECENT CHASE	STORE		REPLACI	
				Aware Non-		REG	ION		STA	TE								ON BURI	
	1	[otal	Pur- chaser	Pur-		East of I5	West of I5									Hard-	other		Un-
							F												
Total	C%		51 100.0				23 100.0		16 100.0	13 100.0	18 100.0	10 100.0	40 100.0	19 100.0			31 100.0		
		35	35	0	0	19	16	3	11	9	12	7	27	13	17	13	21	20	5
It burned out	С%	9 17.1	9 17.1	0.0	0.0	_	4 18.8	0	4 27.3	1 11.1	3 16.7	3 28.6	6 14.8	6 30.8				7 25.0	
		6	6	0	0	3	3	0	3	1	2	2	4	4	1	4	2	5	1
You didn't like the color	C%		17.1	0.0	0.0	15.8	18.8			11.1			11.1	23.1	11.8	15.4	19.0	10.0	20.0
		6	6	0	0	3	3	0	3	1	2	3	3	3	2	2	4	2	1
It took too long to start up	C%	4 8.6 3	8.6			5.3	12.5	0.0	0.0	3 22.2 2	1 8.3 1	0.0	3 7.4 2	1 7.7 1	5.9	0.0	14.3	15.0	0.0
It wasn't bright enou	_							3	1		6	0	15	1					
	C%	28.6 10					37.5 6	66.7 2		33.3		0.0		7.7					40.0
You didn't like the w			2.9	0.0	0.0	5.3	0.0	0.0	1 9.1 1	0.0	0.0	0.0	3.7	0.0	5.9	7.7	0.0	0.0	20.0
		1	1	U	U	Τ	U	U	1	U	U	U	1	U	1	1	U	U	1
It didn't fit	C%	1 2.9 1	2.9	0.0	0.0	5.3		0.0	0.0	1 11.1 1	0.0			7.7		7.7	0.0	5.0	0.0
Other	C%	9 17.1 6	9 17.1 6	0.0	0.0	21.1	3 12.5 2		3 18.2 2		4 25.0 3	3 28.6 2			11.8	7.7	19.0	25.0	

Q10A1. What was the MAIN reason for taking the bulb(s) out? Was it because:

BASE: CFL purchasers who removed bulbs

	=	=====		======	======		======		=== BAN	NER 1 =									=====
			C	ATEGORY										MOST	RECENT	STORE	TYPE	REPLACE	
												1ST PU	RCHASE	PUR	CHASE			CFL W/C	FL
				Aware		REG	ION									Groc./		ON BURNO	OUT
				Non-					STA	TE						Drug/	All		
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other	Т	Un-
	Т	otal	chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely :	likely
	-	-A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Don't know		1	. 1	C	0	1	0	0	1	0	0	0	1	0	1	0	1	0	0
	С%	2.9	2.9	0.0	0.0	5.3	0.0	0.0	9.1	0.0	0.0	0.0	3.7	0.0	5.9	0.0	4.8	0.0	0.0
		1	. 1	C	0	1	0	0	1	0	0	0	1	0	1	0	1	0	0
Refused		1	. 1	C	0	1	0	0	0	1	0	0	1	0	1	0	1	0	0
	С%	2.9	2.9	0.0	0.0	5.3	0.0	0.0	0.0	11.1	0.0	0.0	3.7	0.0	5.9	0.0	4.8	0.0	0.0
		1	1	(1	Λ	Λ	Λ	1	0	0	1	0	1	0	1	0	0

NEEA Consumer Lighting Survey (3321)

Q10A2. All other reasons

BASE: CFL purchasers who removed bulbs and had a reason for removing bulbs

		=====	======	======	======	======	======		=== BA1	NER 1 =	======	======	======		======		======	=====:	======
			C	ATEGORY											RECENT	STORE		REPLACI	
				Aware Non-		REG	ION		STA	ATE		1ST PU	RCHASE		CHASE 	Groc./	All	ON BURN	
		Total	Pur-	Pur- chaser	Un-	East of I5	West of I5	ID	MT	OR	WA	In 2005	Before 2005	In 2005	Before 2005		other	Likely	Un-
													L					-	-
Total	C%	48 100.0 33	100.0	0.0	0.0		100.0	100.0	15 100.0 10	12 100.0 8	18 100.0 12		100.0	19 100.0 13	100.0	100.0		100.0	100.0
You didn't like the color	C%	6.1	6.1	0.0	0.0	0.0	12.5	0.0		1 12.5 1	1 8.3 1	0.0	8.0	0.0	13.3	0.0	10.5	10.0	
No other reason	C%	45 93.9	93.9	0.0	0.0	100.0		100.0		10 87.5		100.0	92.0	100.0	86.7	19 100.0	89.5	90.0	100.0

NEEA Consumer Lighting Survey (3321) Q11. Thinking about all of the CFLs you recently purchased, how satisfied are you with them? BASE: CFL purchasers

	=		C	ATEGORY			======	======	=== BAN	NER 1 =				MOST F	RECENT	STORE	TYPE	REPLACE	2
				Aware Non-		REG	ION		STA	TE		1ST PUI	RCHASE		CHASE			ON BURN	TUOI
			chaser		aware	East of I5	of I5	ID	MT		WA	2005		2005	2005		stores	Likely	
	-	A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total	C%	323 100.0 220	323 100.0 220	0.0	0.0	100.0	100.0	37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	100.0		100.0	19 100.0 13
1-not at all satisfied	l C%	16 5.0 11	5.0	0.0	0.0	6.0	3.8	1 4.0 1	3 7.4 2	3 3.2 2	9 5.7 6	6 6.6 4		4 2.4 3	9 8.5 6	4.2	7 3.9 5	1.1	6 30.8 4
2	C%	3 0.9 2	3 0.9 2	0.0	0.0	0.9	1.0	1 4.0 1	0.0	1 1.6 1	0.0	1 1.6 1	0.7	1 0.8 1	1 1.4 1	1.4	1 0.8 1	1.1	0.0
3	C%	12 3.6 8		0.0	0.0	4.3	2.9	1 4.0 1	1 3.7 1	1 1.6 1	7 4.7 5	0.0	5.5	3 1.6 2 N	9 8.5 6 M	3	7 3.9 5	1.1	4 23.1 3
4	C%	1 0.5 1	1 0.5 1	0.0	0.0	0.0	1.0	0.0	0.0	1 1.6 1	0.0	0.0	0.7	0.0	1 1.4 1	0.0	1 0.8 1	0.6	0.0
5	C%	29 9.1 20	29 9.1 20	0.0	0.0	7.8	10.6	4 12.0 3	3 7.4 2	7 8.1 5	15 9.4 10	4 4.9 3	19 9.0 13	9 4.8 6 N	15 14.1 10 M	12.7 9	12 6.3 8	5.7	6 30.8 4
6	C%	10 3.2 7	10 3.2 7		0.0	2.6	3.8	4.0 1	0.0	3 3.2 2	6 3.8 4	1 1.6 1	9 4.1 6	1 0.8 1 N	7 7.0 5 M	2.8	6 3.1 4		7.7 1

	:	=====					======	======	=== BAN	NER 1 =		1ST PU		MOST 1	RECENT	STORE		REPLACI	Ε
				Aware		REG	SION		STA	TE								ON BURI	TUON
				chaser			West of I5	ID G	MT	OR	WA	2005	2005	2005	2005		stores	Likely	Un- likely R
7	C%	25 7.7 17	7.7	0.0	0.0		6.7	3 8.0 2	3 7.4 2	7 8.1 5	12 7.5 8	9 9.8 6		21 11.2 14			6.3	8.5	0.0
8	C%	60 18.6 41	18.6	0.0	0.0		18.3	3 8.0 2	7 18.5 5	16 17.7 11	34 21.7 23	16 18.0 11	19.3	35 19.2 24	16.9	21.1	18.1	22.7	0 0.0 0
9	C%	29 9.1 20	9.1	0.0	0.0	9.5	8.7	4 12.0 3	4 11.1 3	13 14.5 9 J	7 4.7 5 I	13 14.8 9	7.6	21 11.2 14	7.0	8.5	11.0	10.2	
10-Very Satisfied	C%	132 40.9 90	40.9	0.0	0.0	39.7	42.3	16 44.0 11	16 40.7 11	37 40.3 25	63 40.6 43	37 41.0 25	40.0	87 47.2 59 N	29.6 21	29.6 21	45.7 58		0.0
Don't know	C%	1.4 3	1.4	0.0	0.0	1.7	1.0	0.0	3.7 1	0.0	3 1.9 2	1 1.6 1	0.7	0.8 1			0.0		0.0
М	EAN:	7.89	7.89	*	*	7.82	7.96	7.76	7.92	8.10	7.79	8.13	7.76	8.49 N			8.16	8.51 R	

NEEA Consumer Lighting Survey (3321)
Q12A. How would you rate the CFLs you have recently purchased in terms of... The color of the light they provide?
BASE: CFL purchasers

			Non					DAIN	14TV T =		1ST PUI		MOST F		STORE	TYPE	REPLACI	E	
				Aware		REG	ION		STA	TE								ON BURI	TUO
		Total	Pur- chaser	Pur-	Un- aware	East	West	ID			WA		Before 2005	In 2005		Hard- ware	other		Un-
							F											- 4	- 4
Total	C%	323 100.0 220	323 100.0 220	0.0	0.0		152 100.0 104	37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	104 100.0 71	186 100.0 127	258 100.0 176	19 100.0 13
1-Not at all satisf	ied C%	18 5.5 12	18 5.5 12	0.0	0.0	4.3	6.7	1 4.0 1	0.0	4 4.8 3	12 7.5 8	6 6.6 4	10 4.8 7	2.4 3	7 7.0 5	7 7.0 5	7 3.9 5	1.7 3	23.1 3
2	C%	15 4.5	15 4.5		0.0			3 8.0	1 3.7	6 6.5	4 2.8	1 1.6	13 6.2	6 3.2	7 7.0	4 4.2	7 3.9		3 15.4
		10	10	0	0	3	7	2	1	4	3	1	9	4	5	3	5	5	2
3	C%	63 19.5	63 19.5	0.0	0.0	23.3	15.4	4 12.0	9 22.2	19 21.0	31 19.8	13 14.8	43 20.0	29 16.0	26 25.4	21.1	35 18.9	48 18.8	7 38.5
		43	43	0	0	27	16	3	6	13	21	9	29	20	18	15	24	33	5
4	С%	72 22.3 49	72 22.3 49	0.0	0.0	22.4	22.1	10 28.0 7	10 25.9 7	15 16.1 10	37 23.6 25	16 18.0 11	54 25.5 37	44 24.0 30	25 23.9 17	18 16.9 12	51 27.6 35	66 25.6 45	1 7.7 1
5-Very satisfied	C%	141 43.6 96	141 43.6 96	0.0	0.0	44.8	42.3	18 48.0 12	16 40.7 11	44 48.4 30	63 40.6 43	50 55.7 34 L	85 40.0 58 K	94 51.2 64 N	34 32.4 23 M	47 45.1 32	81 43.3 55	126 48.9 86	3 15.4 2
Don't know		15	15	0	0	4	10	0	3	3	9	3	7	6	4	6	4	6	0
DOIL C KHOW	C%		4.5 10	0.0	0.0	2.6	6.7	0.0	7.4	3.2	5.7	3.3	3.4	3.2	4.2	5.6	2.4	2.3	0.0
MI	EAN:	3.99	3.99	*	*	4.04	3.93	4.08	4.12	4.00	3.92	4.19	3.93	4.22 N	3.71 M	3.94	4.05	4.20 R	2.77 Q

NEEA Consumer Lighting Survey (3321)
Q12B. How would you rate the CFLs you have recently purchased in terms of... The brightness of the light they provide?
BASE: CFL purchasers

	==		CZ	TEGORY			======	======	=== BAN	NER 1 =		1ST PUF		MOST I	===== RECENT CHASE	STORE	TYPE	REPLACE	2
				Aware Non-	are REGION n r- Un- East We aser aware of I5 or CDE				STA	TF						Groc./		ON BURN	TUOIT
		tal	chaser	Pur- chaser	aware	East of I5	West of I5	ID	 MT	 OR	WA	2005	2005	2005	2005	Hard- ware	other stores	Likely	Un- likely
Total	C% 1	323 00.0 220	323 100.0 220	0.0	0.0	100.0	100.0	37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125	100.0	100.0	186 100.0 127		100.0
1-Not at all satisf	ied C%	18 5.5 12	18 5.5 12	0.0	0.0	3.4	12 7.7 8	1 4.0 1	3 7.4 2	3 3.2 2	10 6.6 7	1 1.6 1	13 6.2 9	3 1.6 2 N	9.9 7	7.0 5	2.4 3	2.8	30.8
2	C%	22 6.8 15	22 6.8 15	0.0	0.0	7.8		1 4.0 1	3 7.4 2	4 4.8 3	13 8.5 9	6 6.6 4	15 6.9 10	12 6.4 8	9.9	9.9	10 5.5 7	4.0	38.5
3	C%	48 15.0 33	48 15.0 33	0.0		14.7		3 8.0 2	6 14.8 4	15 16.1 10	25 16.0 17	12 13.1 8	34 15.9 23	19 10.4 13 N	22.5 16	9.9	37 19.7 25		7.7 1
4	C%	84 25.9 57	84 25.9 57	0.0	0.0	27.6	24.0	12 32.0 8	9 22.2 6	22 24.2 15	41 26.4 28	31 34.4 21	48 22.8 33	54 29.6 37	22.5	28.2	48 26.0 33	29.5	7.7
5-Very satisfied	C%	144 44.5 98	144 44.5 98	0.0	0.0	44.0	69 45.2 47	19 52.0 13	18 44.4 12	45 50.0 31	62 39.6 42	40 44.3 27	98 46.2 67	95 52.0 65 N	32.4 23	42.3 30	84 44.9 57	47.7	
Don't know	C%	7 2.3 5	7 2.3 5		0.0	2.6		0.0	1 3.7 1	1 1.6 1	4 2.8 3	0.0	2.1 3	0.0	2.8	2.8	3 1.6 2	0.6	0.0
MI	EAN:	4.00	4.00	*	*	4.04	3.95	4.24	3.92	4.15	3.86	4.13	3.98	4.24 N			4.07	4.16 R	

NEEA Consumer Lighting Survey (3321)
Q12C. How would you rate the CFLs you have recently purchased in terms of... The amount of time they take to light up?
BASE: CFL purchasers

	:	=====	C.	ATEGORY			======	======	=== BAN	NER 1 =				MOST I	RECENT	STORE	TYPE	REPLACE	2
				Aware Non-		REG	ION		STA	TE		1ST PUF			CHASE	Groc./		ON BURN	TUOIT
		Total	Pur-	Pur-	Un-	East of I5	West	ID			 WA		Before 2005			Hard- ware	other		Un-
							F											- 1	- 4
Total	C%	323 100.0 220	100.0	0.0	0.0	100.0		37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	100.0		258 100.0 176	19 100.0 13
1-Not at all satisf	ied	22	22	0	0	12	10	3	1	7	10	6	15	9	10	6	13	13	4
	C%	6.8 15						8.0	3.7	8.1 5	6.6 7	6.6	6.9 10	4.8	9.9		7.1 9	5.1 9	23.1
2	C%	26 8.2 18	8.2	0.0	0.0	6.0		1 4.0 1	3 7.4 2	10 11.3 7	12 7.5 8	6 6.6 4	19 9.0 13	13 7.2 9	9 8.5 6	7.0	18 9.4 12	19 7.4 13	3 15.4 2
3	C%	62 19.1 42	19.1	0.0	0.0	20.7	26 17.3 18	6 16.0 4	4 11.1 3	18 19.4 12	34 21.7 23	22 24.6 15	38 17.9 26	35 19.2 24	25 23.9 17	16.9	35 18.9 24	51 19.9 35	3 15.4 2
4	C%	63 19.5 43	19.5	0.0	0.0	23.3	23 15.4 16	7 20.0 5	12 29.6 8	16 17.7 11	28 17.9 19	18 19.7 12	44 20.7 30	43 23.2 29	18 16.9 12	19.7	37 19.7 25	59 22.7 40	3 15.4 2
5-Very satisfied	C%	132 40.9 90	40.9	0.0	0.0	38.8	66 43.3 45	16 44.0 11	18 44.4 12	35 38.7 24	63 40.6 43	35 39.3 24	87 40.7 59	81 44.0 55	35 33.8 24	43.7	75 40.2 51	110 42.6 75	4 23.1 3
Don't know	C%	18 5.5 12	5.5	0.0	0.0	4.3	6.7	3 8.0 2	1 3.7 1	4 4.8 3	9 5.7 6	3 3.3 2	10 4.8 7	3 1.6 2 N	7 7.0 5 M	7.0 5	9 4.7 6	6 2.3 4	7.7 1
MH	EAN:	3.84	3.84	*	*	3.85	3.84	3.96	4.08	3.71	3.83	3.81	3.83	3.96	3.61	3.95	3.80	3.92	3.00

NEEA Consumer Lighting Survey (3321)
Q12D. How would you rate the CFLs you have recently purchased in terms of... Their compatibility with dimmer and three-way switches? BASE: CFL purchasers

	=:	=====	CZ	ATEGORY			======	======	=== BAN	NER 1 =		1ST PUF		MOST I		STORE	TYPE	REPLACE	
				Aware Non-		REG	ION		STA	TE								ON BURN	OUT
				Pur- chaser		East of I5	West	ID	MT	OR	WA	2005	Before 2005 L	2005	2005	Hard- ware	other stores	Likely	Un- likely
Total	C% :	323 100.0 220	323 100.0 220	0.0	0.0	100.0		37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	104 100.0 71	186 100.0 127	258 100.0 176	19 100.0 13
1-Not at all satisfied		32 10.0 22	32 10.0 22	0.0	0.0	10.3	9.6	1 4.0 1	3 7.4 2	7 8.1 5	21 13.2 14	6 6.6 4	26 12.4 18	23 12.8 16	7 7.0 5	13 12.7 9	16 8.7 11	9.1	7.7 1
2	C%	18 5.5 12	18 5.5 12	0.0	0.0	5.2	5.8	4.0 1	4 11.1 3	4 4.8 3	7 4.7 5	7 8.2 5	10 4.8 7	9 4.8 6	7 7.0 5	0 0.0 0 P	13 7.1 9 0	15 5.7 10	1 7.7 1
3	C%	18 5.5 12	18 5.5 12	0.0	0.0	6.9	3.8	3 8.0 2	1 3.7 1	3 3.2 2	10 6.6 7	4 4.9 3	13 6.2 9	10 5.6 7	7 7.0 5	1 1.4 1 P	16 8.7 11 0	6.3	0.0
4	C%	18 5.5 12	18 5.5 12		0.0	3.4	7.7	1 4.0 1	0.0	10 11.3 7	6 3.8 4	10 11.5 7 L	7 3.4 5 K	12 6.4 8	4 4.2 3	4 4.2 3	13 7.1 9	16 6.3 11	0.0
5-Very satisfied	C%	44 13.6 30	44 13.6 30	0.0	0.0	17.2	9.6	12.0 3	6 14.8 4	6 6.5 4 J	28 17.9 19 I	10 11.5 7	32 15.2 22	29 16.0 20	12 11.3 8	12 11.3 8	31 16.5 21	37 14.2 25	7.7 1
Don't know	C%	192 59.5 131	192 59.5 131		0.0	56.0		25 68.0 17	23 59.3 16	60 66.1 41	84 53.8 57	50 55.7 34	123 57.9 84	98 53.6 67	66 63.4 45	72 69.0 49 P	97 52.0 66 O	58.0 102	15 76.9 10
MEAN	1 :	3.18	3.18	*	*	3.28	3.05	3.50	3.10	3.10	3.18	3.31	3.10	3.18	3.15	3.05	3.33	3.26	2.67

BASE: CFL purchasers

		=====	======			======	======		=== BAN	NER 1 =	======			======					=====
			C.	ATEGORY										MOST 1	RECENT	STORE	TYPE	REPLACE	ı
				 Aware		REGI	ON					1ST PUF	RCHASE		CHASE	Groc./		CFL W/C	
				Non-					STA	ΓE						Drug/	All		
		Total			aware	of I5	West of I5	ID	MT	OR	WA	2005	Before 2005	2005		ware		Likely	-
		A	B	C	D	E	F	G	Н	I	J	K	L	M	N	0	P	Q	R
Refused		1	1	0	0	1	0	0	1	0	0	1	0	1	0	1	0	1	0
	C.	% 0.5 1	0.5	0.0	0.0	0.9	0.0	0.0	3.7 1	0.0	0.0	1.6	0.0	0.8	0.0		0.0	0.6 1	0.0
	MEAN:	3.18	3.18	*	*	3.28	3.05	3.50	3.10	3.10	3.18	3.31	3.10	3.18	3.15	3.05	3.33	3.26	2.67

NEEA Consumer Lighting Survey (3321)
Q12E. How would you rate the CFLs you have recently purchased in terms of... The way they fit into light fixtures?
BASE: CFL purchasers

	=	=====	C	ATEGORY			======	======	=== BAN	NER 1 =				MOST 1	RECENT	STORE	TYPE	REPLACE	2
				Aware Non-		REG	ION		STA	TE		1ST PUF			CHASE	Groc./		ON BURN	TUOIT
				Pur- chaser		East of I5	West of I5	ID	MT	 OR	WA	2005		2005	2005	Hard- ware	other stores	Likely	Un- likely
	-	A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total	C%	323 100.0 220	323 100.0 220	0.0	0.0	100.0	152 100.0 104	37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125		100.0	186 100.0 127	258 100.0 176	19 100.0 13
1-Not at all satisfie	d C%	12 3.6 8			0.0	4.3		4.0 1	3 7.4 2	4 4.8 3	3 1.9 2	7 8.2 5 L	4 2.1 3 K	9 4.8 6		2.8	9 4.7 6	7 2.8 5	0.0
2	C%	18 5.5 12			0.0	6.0		0.0	7.4 2	6 6.5 4	9 5.7 6	4 4.9 3		13 7.2 9		5.6	12 6.3 8		23.1 3
3	C%	43 13.2 29	43 13.2 29	0.0	0.0	12.9	21 13.5 14	3 8.0 2	1 3.7 1	13 14.5 9	25 16.0 17	10 11.5 7		28 15.2 19		16.9	22 11.8 15		7.7 1
4	C%	63 19.5 43	63 19.5 43	0.0	0.0	19.8	29 19.2 20	9 24.0 6	6 14.8 4	15 16.1 10	34 21.7 23	21 23.0 14	37 17.2 25	32 17.6 22	22.5	16.9	40 21.3 27	19.3	6 30.8 4
5-Very satisfied	C%	180 55.9 123	180 55.9 123	0.0	0.0	55.2	87 56.7 59	23 64.0 16	25 63.0 17	51 56.5 35	81 51.9 55	44 49.2 30	126 59.3 86	98 53.6 67	59.2	52.1	104 55.9 71	58.5	7 38.5 5
Don't know	C%	7 2.3 5	7 2.3 5	0.0	0.0	1.7	2.9 3	0.0	1 3.7 1	1 1.6 1	2.8 3	3 3.3 2		3 1.6 2	1.4	5.6	0.0 0.0 0		0.0
MEA	N:	4.21	4.21	*	*	4.18	4.26	4.44	4.23	4.15	4.19	4.03	4.28	4.10	4.36	4.16	4.17	4.27	3.85

NEEA Consumer Lighting Survey (3321) Q12F. How would you rate the CFLs you have recently purchased in terms of... The way they look in light fixtures? BASE: CFL purchasers

	==	====	CZ	ATEGORY			======	======	=== BAN	INER 1 =			====== RCHASE	MOST 1	RECENT	STORE	TYPE	REPLACE CFL W/C	2
				Aware Non-		REG	ION		STA	TE						Groc./ Drug/		ON BURN	
			chaser		aware	East of I5 E		ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
Total	C% 1	323 00.0 220	323 100.0 220	0.0	0.0	100.0	100.0	37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	100.0	183 100.0 125	100.0	100.0	186 100.0 127		19 100.0 13
1-Not at all satisfied	d C%		13 4.1 9	0.0	0.0	4.3	3.8	1 4.0 1	3.7 1	4 4.8 3	6 3.8 4	6 6.6 4		9 4.8 6	2.8	1.4	6.3	4.0	0.0
2	C%	35 10.9 24	35 10.9 24	0.0	0.0	5.2	17.3 18	12.0 3	3.7 1	12 12.9 8	18 11.3 12	7 8.2 5	11.7	18 9.6 12	12.7	15.5	8.7	7.4	23.1
3	C%	65 20.0 44	65 20.0 44	0.0	0.0	23.3	16.3	6 16.0 4	7 18.5 5	19 21.0 13	32 20.8 22	16 18.0 11	47 22.1 32	38 20.8 26	22.5	19.7	37 19.7 25		3 15.4 2
4	C%	53 16.4 36	53 16.4 36	0.0	0.0	18.1	14.4	12.0 3	10 25.9 7	15 16.1 10	23 15.1 16	21 23.0 14			15.5	12.7		17.6	4 23.1 3
5-Very satisfied	C%	128 39.5 87	128 39.5 87	0.0	0.0	42.2	36.5	18 48.0 12	18 44.4 12	29 32.3 20	63 40.6 43	35 39.3 24	85 40.0 58	78 42.4 53	36.6	42.3	72 38.6 49		4 23.1 3
Don't know	C%	29 9.1 20	29 9.1 20	0.0	0.0	6.9	11.5	3 8.0 2	3.7 1	12 12.9 8	13 8.5 9	4 4.9 3	8.3	9 4.8 6	9.9	8.5		6.8	3 15.4 2
MEA	и:	3.84	3.84	*	*	3.95	3.71	3.96	4.08	3.67	3.85	3.84	3.83	3.87	3.78	3.86	3.81	3.93	3.55

NEEA Consumer Lighting Survey (3321)
Q12G. How would you rate the CFLs you have recently purchased in terms of... How long they last before burning out?
BASE: CFL purchasers

			C	ATEGORY			======		DAN	MEK T =		1ST PUI		MOST F		STORE	TYPE	REPLACI	Ε
				Aware Non-		REG	ION		STA	TE								ON BURI	TUON
		Total	Pur- chaser	Pur-	Un-	East	West	ID			 WA		Before 2005	In 2005		Hard- ware	other		Un-
							F											- 4	- 4
Total	C%	323 100.0 220	323 100.0 220	0.0	0.0	100.0	152 100.0 104	37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	104 100.0 71	186 100.0 127	258 100.0 176	19 100.0 13
1-Not at all satisf	ied C%	13 4.1 9	13 4.1 9	0.0	0.0	5.2	2.9 3	0.0	4 11.1 3	4 4.8 3	2.8 3	3 3.3 2	10 4.8 7	9 4.8 6	4 4.2 3		10 5.5 7	6 2.3 4	
2		7	7	0	0	4	3	1	0	1	4	0	7	3	4	0	6	4	1
	C%	2.3	2.3	0.0	0.0		1.9	4.0	0.0	1.6	2.8	0.0	3.4	1.6	4.2		3.1	1.7	
3		22	22	0	0		7	0	4	7	10	6	16	12	9	3	16	16	
	C%	6.8 15	6.8 15	0.0	0.0		4.8	0.0	11.1	8.1	6.6 7	6.6 4	7.6 11	6.4	8.5 6	2.8	8.7 11	6.3 11	15.4 2
4		48	48	0	0		28	4	3	15	26	16	28	26	15	19	28	40	4
	C%	15.0 33	15.0 33	0.0	0.0		18.3 19	12.0	7.4	16.1 10	17.0 18	18.0 11	13.1 19	14.4 18	14.1 10	18.3 13	15.0 19	15.3 27	23.1
5-Very satisfied		183	183	0	0		79	23	26	45	88	48	123	110	57	63	101	160	4
	C%	56.8 125	56.8 125	0.0	0.0		51.9 54	64.0 16	66.7 18	50.0 31	56.6 60	54.1 33	57.9 84	60.0 75	54.9 39	60.6 43	54.3 69	61.9 109	23.1
Don't know		48	48	0	0		31	7	1	18	22	16	28	23	15	16	25	32	1
	C%	15.0 33	15.0 33	0.0	0.0		20.2 21 E	20.0	3.7	19.4 12	14.2 15	18.0 11	13.1 19	12.8 16	14.1 10	15.5 11	13.4 17	12.5 22	7.7
М	EAN:	4.39	4.39	*	*	4.36	4.43	4.70	4.23	4.30	4.42	4.46	4.33	4.41	4.30	4.58 P	4.26 O	4.52 R	3.17 Q

NEEA Consumer Lighting Survey (3321) M10. In general, what are the best features of CFLs? BASE: CFL purchasers

	=	=====	C	===== ATEGORY			======	======	=== BAN	NER 1 =		1ST PUI		MOST 1	===== RECENT CHASE	STORE	TYPE	REPLACE	2
				Aware Non-		REG	ION		STA	TE								ON BURN	TUOIT
						East of I5 E	West of I5 F	ID	MT	OR I	WA	2005		2005	2005		stores	Likely	
Total	C%	323 100.0 220	323 100.0 220	0.0	0.0	100.0	152 100.0 104	37 100.0 25	40 100.0 27	91 100.0 62	155 100.0 106	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	104 100.0 71	186 100.0 127	258 100.0 176	19 100.0 13
Lasts longer before burning out	C%	150 46.4 102	150 46.4 102	0.0	0.0	40.5	81 52.9 55	16 44.0 11	15 37.0 10	48 53.2 33	70 45.3 48	44 49.2 30	97 45.5 66	89 48.8 61	43 40.8 29		91 48.8 62	135 52.3 92	23.1 3
Reduces electricity bill / Saves money	C%	73 22.7 50	22.7	0.0	0.0	25.0	31 20.2 21	10 28.0 7	7 18.5 5	13 14.5 9	43 27.4 29	19 21.3 13	50 23.4 34	44 24.0 30	21 19.7 14		38 20.5 26	63 24.4 43	3 15.4 2
Saves / conserves energy	C%	144 44.5 98	44.5	0.0	0.0	45.7	66 43.3 45	10 28.0 7	23 59.3 16	44 48.4 30	66 42.5 45	37 41.0 25	95 44.8 65	84 45.6 57	45 43.7 31	45.1	87 46.5 59	113 43.8 77	7 38.5 5
Resource conservation benefits	C%	15 4.5 10	4.5	0.0	0.0	6.0	4 2.9 3	12.0 3	0.0	1 1.6 1	9 5.7 6	9 9.8 6 L	6 2.8 4 K	13 7.2 9		2.8	10 5.5 7		0.0
It works better/ is higher quality	C%	34 10.5 23	10.5	0.0	0.0	9.5	18 11.5 12	6 16.0 4	1 3.7 1	7 8.1 5	19 12.3 13	13 14.8 9	19 9.0 13	23 12.8 16	9 8.5 6		22 11.8 15	29 11.4 20	0.0
Other	C%	9 2.7 6		-	0.0	2.6	2.9 3	0.0	1 3.7 1	1 1.6 1	6 3.8 4	4 4.9 3	2.1 3	2.4 3		2.8	3 1.6 2		0.0
Don't know	C%	22 6.8 15	6.8	0.0	0.0	6.9	10 6.7 7	4 12.0 3	3 7.4 2	3 3.2 2	12 7.5 8	6 6.6 4	15 6.9 10	6 3.2 4 N	11.3	5.6 4	12 6.3 8	2.8	6 30.8 4

	=	====:	C	ATEGORY			======	======	=== BAN	NER 1 =		1ST PUI		MOST 1	===== RECENT CHASE	STORE	TYPE	REPLACE	2
				Aware Non-		REG	ION		STA	TE						Groc./		ON BURN	TUOIT
				Pur- chaser	aware	East of I5	West of I5 F	ID	MT	OR	WA	2005	2005	2005	2005	Hard- ware	other stores	Likely	Un- likely
Total	C%	280 100.0 191		0.0	0.0	100.0	100.0	31 100.0 21	35 100.0 24	81 100.0 55	133 100.0 91	81 100.0 55	182 100.0 124	172 100.0 117		100.0	164 100.0 112	100.0	19 100.0 13
1-Not at all like	ly C%	15 5.2 10	15 5.2 10	0.0	0.0	4.8	5.8	3 9.5 2	1 4.2 1	3 3.6 2	7 5.5 5	4 5.5 3		6 3.4 4		6.8	4 2.7 3	0.0	15 76.9 10
2	C%	4 1.6 3	4 1.6 3	0.0	0.0	2.9	0.0	0.0	1 4.2 1	0.0	3 2.2 2	1 1.8 1	0.8	3 1.7 2	1.8	5.1	0.0 0.0 0	0.0	
3	C%	35 12.6 24		0.0	0.0	12.4		1 4.8 1	6 16.7 4	9 10.9 6	19 14.3 13	9 10.9 6	12.1	16 9.4 11		8.5	14.3		0.0
4	C%	37 13.1 25		0.0	0.0	11.4		3 9.5 2	3 8.3 2	13 16.4 9		12 14.5 8	12.9	21 12.0 14	15 18.2 10	22.0	13 8.0 9 0	14.2 25	0.0
5-Very likely	C%	186 66.5 127	186 66.5 127	0.0	0.0	66.7	66.3	22 71.4 15	22 62.5 15	56 69.1 38	87 64.8 59	54 67.3 37	123 67.7 84	125 72.6 85 N	43 52.7 29 M	57.6 34	120 73.2 82 0	72.2 127	0.0
Don't know	C%	3 1.0 2	3 1.0 2	0.0	0.0	1.9	0.0	1 4.8 1	1 4.2 1	0.0	0.0	0.0	1.6	1 0.9 1	1.8	0.0	3 1.8 2	0.0	0.0
	MEAN:	4.35	4.35	*	*	4.35	4.36	4.40	4.26	4.47	4.30	4.36	4.40	4.50 N	4.06 M		4.52	4.59 R	1.23 Q

	=	=====							=== BAN	NER 1 =		======		======					
				ATEGORY								1ST PUR	RCHASE	MOST I	RECENT CHASE	STORE		REPLACE CFL W/	
				Aware Non-		REG	ION		STA	TE						Groc./ Drug/	Δ11	ON BUR	TUON
				Pur- chaser		East of I5		ID	MT	 OR	WA	2005		2005	2005	Hard- ware	other stores	Likely	Un- likely
	_	-A						G	n	1	0	K	п	IvI	14	0	P	Q	K
Total	C%	560 100.0 560	100.0		71 100.0 140	100.0	271 100.0 273	63 100.0 63	60 100.0 56	162 100.0 163	275 100.0 278	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	100.0	294 100.0 280	258 100.0 176	
1-Not at all like	_	140 25.0 155	17.3	38.5 77	20 28.6 40 B	24.3 79	70 25.8 76	20 32.2 22	18 29.6 18	39 23.8 41	64 23.1 74	10 11.5 7	41 19.3 28	23 12.8 16 N	25 23.9 17 M	27.7 61	66 22.6 72		69.2
2	С%	54 9.7 62	6.8	13.0 26	11 15.0 21 B	8.7 29	29 10.8 33	3 4.5 5	3 5.2 3	16 10.1 20	32 11.6 34	6 6.6 4	15 6.9 10	7 4.0 5 N	12 11.3 8 M	11.9 25	24 8.1 27	5.1	3 15.4 2
3	С%	104 18.5 106	16.4	23.5	12 16.4 23	17.0	54 20.1 58	7 11.8 7	7 11.8 7	37 22.7 35	52 19.0 57	12 13.1 8	34 15.9 23	32 17.6 22	15 14.1 10	17.6	55 18.6 53	41 15.9 28	1 7.7 1
4	C%	68 12.1 67	13.2		10 14.3 20	13.3	29 10.7 29	9 14.1 8	7 12.3 7	23 13.9 23	29 10.5 29	10 11.5 7	32 15.2 22	23 12.8 16	19 18.3 13	12.8	36 12.4 35	38 14.8 26	7.7 1
5-Very likely	C%	169 30.1 141	42.7	18 11.0 22 B	13 17.9 25 B	31.1 76	79 29.1 65	20 31.6 17	22 37.0 18	42 25.8 38	85 30.9 68	48 54.1 33	84 39.3 57	91 49.6 62 N	29 28.2 20 M	26.2 46	99 33.8 79	129 50.0 88	0.0
Don't know	C%	26 4.6 29	3.6	5.0	6 7.9 11	5.7	9 3.4 12	4 5.8 4	2 4.1 3	6 3.7 6	14 4.9 16	3 3.3 2	7 3.4 5	6 3.2 4	4 4.2 3	3.8	14 4.6 14	4.5	0.0
	MEAN:	3.13	3.59 CD	2.38 BD	2.76 BC		3.07	3.09	3.23	3.08	3.15	3.93	3.50	3.85 N	3.16 M		3.28	3.95 R	1.54 Q

NEEA Consumer Lighting Survey (3321) FlB. Why are you likely to purchase CFLs in the next year? BASE: Likely to purchase CFLs

	=		C.	ATEGORY				======	=== BAN	NER 1 =	=====	1ST PU		MOST 1	===== RECENT CHASE	STORE	TYPE	REPLACI	Ξ
				Aware Non-		REG	ION		STA	TF.								ON BURI	
				Pur- chaser	aware	East of I5 E		ID G	MT	OR	WA	2005	2005	2005	2005	Hard- ware	other stores	Likely	Un- likely
Total	C%	107 100.0 155	0.0	100.0	100.0	100.0	100.0	8 100.0 13	10 100.0 14	33 100.0 50	55 100.0 78	0.0		0.0	0.0	100.0	100.0	0.0	0.0
Saves energy/efficient		28 25.8 41	0.0	24.1	29.4	23.8	15 27.8 22	3 32.6 4	2 21.0 3	9 26.5 13	14 25.3 21	0.0		0.0		27.5	25.8	0.0	0.0
Saves money on electricity	C%	21 19.9 33	0.0	16.1	27.9	26.7	11	3 30.8 5	4 33.9 5	6 19.0 10	9 16.2 13	0.0	0.0	0.0	0.0	17.3	11 21.7 16	0.0	0 0.0 0
Last longer	C%	12 10.9 16	0.0	12.6	7.4	7.6	8 14.2 10	1 10.2 1	8.1 1	3 9.5 5	7 12.5 9	0.0	0.0	0.0		17.6	2 4.8 4 0	0.0	0.0
Curious/To try them	C%	17 15.6 24	0.0	16.1	14.7		9 15.8 13	2 26.5 3	3 24.2 3	5 15.0 8	7 12.8 10	0.0	0.0	0.0		15.2	8 16.9 12	0.0	0.0
Might try them with coupon/discount	C%	0.8 1	0.0		0.0	1.6	0.0	0.0	8.1 1	0.0	0.0		0.0	0.0		0.0	1 1.7 1	0.0	0 0.0 0
Interested but need more information	C%	4 3.3 5	0.0	3.4	2.9	2.5	4.0	0.0	0.0	1 4.0 2	2 4.0 3		0.0	0.0	0.0	1.2	6.1	0.0	0.0
Provide better light	C%	2 1.6 2	0.0	2.3	0.0	0.0	3.1	0.0	0.0	0.0	2 3.0 2		0.0	0.0	0.0	0.0		0.0	

NEEA Consumer Lighting Survey (3321) FlB. Why are you likely to purchase CFLs in the next year? BASE: Likely to purchase CFLs

		=====		=====	=====				=== BAN	NER 1 =	=====			=====					
			C.	ATEGORY								1ST PU	RCHASE		RECENT CHASE	STORE		REPLACI	
				Aware Non-		REG	ION		STA	TE						Groc./ Drug/		ON BURN	
			Pur-	Pur-	Un-	East	West					In	Before	In	Before		other		Un-
		Total		chaser		of I5	of I5	ID	MT	OR	WA	2005	2005	2005				Likely	
		A	B	C	D	E	F	G	H	1	J	K	L	M	N	0	P	Q	K
Other	a.	5	0	_		1	4	0	0	3			0	0		2	2	0	0
	C%	4.2 7	0.0			1.9		0.0	0.0	8.0 4	3.4			0.0		4.5			0.0
Don't know		18				10	8	0	1	6	12	0	0	0		7	9	0	0
	C%							0.0	4.9	18.0	21.3			0.0					0.0
		25	0	17	8	13	12	0	1	8	16	0	0	0	0	9	12	0	0
Refused		1	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
	C%	0.8							0.0	0.0	1.5			0.0					0.0
		1	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0

NEEA Consumer Lighting Survey (3321) FlB. Why are you likely to purchase CFLs in the next year? BASE Likley to purchase CFLs

	=	=====						======	=== BAN	NER 1 =	======					======		======	======
				ATEGORY								1ST PUI	RCHASE		RECENT CHASE	STORE		REPLAC	
				Aware Non-		REG	ION		STA	mp								ON BUR	
			Pur-	Pur-	Un-	East						In	Before	In	Before	Hard-			Un-
						of I5	of I5	ID			WA								likely
	_	-A	B		D	E		G	n	1	0	K	L	IvI	N	0	P	Q	K
Total		89	0	58	31	43	46	8	10	27	44	0	0	0	0	35	41	0	0
10001	C%	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0
		131	0	70	61	64	67	13	13	42	63	0	0	0	0	52	60	0	0
				_				-			_		•			2			•
Saves energy/efficient		9 9.7	0.0	7 11.4	2 6.6		4 9.4	1 10.2	1 13.6	1 3.7	6 12.6	0.0	0.0	0.0					-
		12	0	8	4	6	6	1	2	2	7	0	0	0	0	4	8	0	0
Saves money on electricity	C%	2.6	0.0	1 1.4	2 4.9	0.0	2 5.1	0.0	0.0	1.8	2 4.2	0.0	0.0	0.0		1 1.5			
01000110101		4	0	1			4	0	0	1	3	0	0	0					
Last longer	a.	5	0	3	2			1 6.2	0	2 6.1	3	0	0	0		10 1	0		
	C%	5.4 7	0.0	5.7 4				6.2	0.0	6.1	6.1 4	0.0	0.0	0.0					
						F	E									P	0		
Curious/To try them		1	0	0	1			0	0	0	1	0	0	0					
	C%	0.6	0.0	0.0	1.6			0.0	0.0	0.0	1.2	0.0	0.0	0.0					
Provide better light		3	0	3	0	1	2	0	0	1	2	0	0	0	0	0	2	0	0
	C%	2.8	0.0	4.3	0.0	1.9	3.6	0.0	0.0	3.0	3.8	0.0	0.0	0.0					
		5	O	3	Ü	_	2	O	o	-	2	0	O	O	O	O	2	O	O
Other		2	0	2	0	0	2	0	0	1	1	0	0	0	0	1	1	0	0
	C%	1.9	0.0	2.9	0.0		3.6	0.0	0.0	3.0	1.9	0.0		0.0					
		2	U	2	U	U	2	U	U	1	1	U	U	U	U	1	1	U	0
No other reason		72	0	46	26	37	35	7	9	23	34	0	0	0	0	27	33	0	0
	C%	80.9	0.0	78.6	85.2	87.5	74.8	83.7	86.4	84.2	77.0	0.0	0.0	0.0	0.0	77.4	80.9	0.0	0.0
		107	0	55	52	56	51	11	11	36	49	0	0	0	0	41	49	0	0

NEEA Consumer Lighting Survey (3321) F2A. Why are you unlikely to purchase CFLs in the next year? BASE: Unlikely to purchase

	==	=====	CZ	ATEGORY		=====	======	======	=== BAN	NER 1 =		1ST PUI		MOST 1	===== RECENT CHASE	STORE	TYPE	REPLACI	Ξ
				Aware Non-		REG	ION		STA	TE								ON BURI	
			chaser		aware		West of I5 F	ID	MT	OR	WA	2005	Before 2005	2005	2005	Hard- ware	stores		
		-A	B	C	D	<u>F</u> :	F	G	н	1	J	K	L	M	N	0	P	Q	K
Total	C% 1	220 100.0 246	89 100.0 61	94 100.0 113	36 100.0 72		109 100.0 121	27 100.0 31	23 100.0 24	61 100.0 67	109 100.0 124	19 100.0 13	63 100.0 43	37 100.0 25	100.0	85 100.0 95	104 100.0 113	50 100.0 34	16 100.0 11
Too costly/expensive	C%	13 6.1 18	1 1.6 1	8.8	4 9.7 7		7 6.2 10	3.1 1	3 12.0 3	5 8.5 7	5 4.1 7	0.0	2.3	0.0	3.6	4.3	9 8.8 11		9.1 1
Storing a bunch/bought multi-pack, don't need	C%	47 21.4 49	26 29.5 18 C	13 13.3 15 B	8 22.2 16	24 21.9 26	23 20.8 23	8 30.3 9	18.3 4	11 18.5 12	23 21.4 24	23.1 3		15 40.0 10	10 25.0 7	21.3	21 20.7 22		0 0.0 0
Used to regular bulbs/ happy with them	C%	17 7.6 21	3 3.3 2	11 11.5 13	3 8.3 6	8 7.2 10	9 8.1 11	8.1 3	1 6.3 1	6 9.1 7	8 7.0 10	0.0		0.0		9.0	8 7.5 9	0.0	1 9.1 1
Don't like light/Not bright	C%	38 17.1 33	25 27.9 17 CD	12 12.4 14 BD	1 2.8 2 BC	13 12.0 13 F	24 22.3 20 E	3 11.7 3	17.0 4	9 14.8 7	22 19.7 19	7.7 1	34.9	4.0 1		21.1	15 14.2 12	8.8	7 45.5 5
Don't need any lights	C%	20 9.1 21	9 9.8 6	9 9.7 11	2 5.6 4		11 9.7 10	1 1.9 1	3 12.0 3	9 14.9 9	7.0 8	6 30.8 4	4.7	6 16.0 4		8.7	10 10.0 11		9.1 1
Don't sell in this area /hard to find		3 1.3 3	1 1.6 1	0.9	1.4	3 2.5 3	0.0	1 1.9 1	1 3.6 1	0.0	1 1.3 1	0.0	0.0	0.0	0.0	2.3	0.8 1	0.0	0.0
Don't fit my fixtures	C%	8 3.7 8	4 4.9 3	3 3.5 4	1 1.4 1	6 5.4 5	2 2.0 3	1 3.1 1	1 6.3 1	$\begin{smallmatrix}1\\1.4\\1\end{smallmatrix}$	5 4.7 5	1 7.7 1	2.3	3 8.0 2		2.0	6 5.5 5		0.0

NEEA Consumer Lighting Survey (3321) F2A. Why are you unlikely to purchase CFLs in the next year? BASE: Unlikely to purchase

	=====	C.	ATEGORY			======	======	=== BAN	NER 1 =:				MOST	RECENT	STORE	TYPE	REPLACE	2
			Aware Non-		REG	ION		STA	TE.		1ST PU	RCHASE		CHASE			ON BURN	TUOIT
	Total	Pur- chaser	Pur-	Un- aware	East	West	ID			 WA		Before 2005	In 2005		Hard- ware	other		Un-
						F												
Burn out too fast	3.4						1 3.1	3 12.5	1 2.4	2 2.1	1 7.7		4 12.0			1 1.4		3 18.2
Ca	6		2		4		1	2	1	2.1	1		3					
Not interested	9 3.9						2 8.1	1 2.2	1 1.4	5 4.7	0.0		0.0			4 3.9		0
	12		8	4			3	1	1	7	0		0			6	0	0
Don't know enough about them to decided C%	16			4 11.1			3 11.7	0.0	5 7.7	9 7.8	0.0	_	0.0			8 7.4		0.0
	22						3	0	6	13	0		0			12	0	0
Don't have to buy any	1.7						0.0	0.0	0.0	4 3.5	0.0		0.0					0
	5						0	0	0	5	0		0					0
Other C%	1 0.7	_					0.0	0.0	0.0	1 1.3	1 7.7		1 4.0					1 9.1
	1						0	0	0	1.3	1		1			0.0	0	1
Don't know	39 : 17.9						4 16.8	2 10.0	14 22.7	19 17.2	3 15.4		6 16.0			18 17.7		1 9.1
Ca	51		21	23	27		5	4	17	25	2		4			21		1
Refused C%	1 0.7	_	-	-	_		0.0	1 6.3	0	0.0	0.0	_	0.0		-	1 1.4		0
Ce	1						0.0	1	0.0	0.0	0.0							

NEEA Consumer Lighting Survey (3321) F2B. Are there any other reasons?

BASE: Unlikely to purchase

		=====				======			=== BAN	NER 1 =				======					
				ATEGORY								1ST PUF	CHASE	MOST F	RECENT	STORE		REPLACE CFL W/C	
				Aware Non-		REG	ION		STA	Ф						Groc./ Drug/		ON BURN	
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	_	other		Un-
			chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
		A	B	C	D	<u>F</u> :	F	G	н	1	J	K	L	M	N	0	P	Q	R
Total		134			17	64		14	15	37	68	12	35	16	26		63	13	
	C%	100.0 147		100.0 79	100.0			100.0 17	100.0 15	100.0	100.0 76	100.0	100.0 24	100.0 11	100.0		100.0 70	100.0	
Too costly/expensive	~^	1	1	0	0			0	0	1	0	0	1	1	0	1	0	0	1
	C%	1.1	2.9 1	0.0	0.0		2.1	0.0	0.0	4.0	0.0	0.0	4.2	9.1	0.0		0.0	0.0	
Don't like light/Not bright	C%	1 0.6	0.0	1 1.3	0.0			0.0	0.0	0.0	1 1.2	0.0	0.0	0.0	0.0	1 1.5	0.0	0.0	
Diigne	0.0	1	0.0	1.3	0		1	0	0	0	1	0	0	0	0	1	0	0	
No other reason	~^	132		65	17	64		14	15	35	67	12	34	15	26		63	13	
	C%	98.3 145	97.1 34	98.7 78			96.7 73	100.0 17	100.0 15	96.0 38	98.8 75	100.0	95.8 23	90.9 10	100.0	95.9 59	100.0 70	100.0	

	=	=====	C	ATEGORY			======	======	=== BAN					MOST I	RECENT	STORE	TYPE	REDIACI	2
				Aware Non-		REG	ION		STA							Groc./		ON BURN	TUOI
			chaser	chaser	aware	of I5	West of I5 F	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
Total			100.0	100.0	0.0		72 100.0 71	100.0	100.0		100.0	100.0		100.0	100.0	100.0	100.0		100.0
1-Not at all likel		36.1	32.6	38.8	0.0	35.8	26 36.3 27	40.3	57.1	24.0	37.8	30.0	34.5	26.7	38.1	37.9	34.2	18.8	36.4
2	C%	12.9	16.3	10.2	0.0	14.2	8 11.5 7	14.3	9.1	14.4	12.4	10.0	20.7	6.7	28.6	14.7	9.9	0.0	36.4
3	C%	18.7		22.4	0.0	17.6	14 19.9 15	15.6	10.4	20.6	20.2	0.0	17.2	6.7	19.0	19.6	20.1	18.8	0.0
4	C%	9.8	9.3	10.2	0.0	11.0	6 8.6 6	0.0	9.1	11.1	11.5	20.0	6.9	13.3	4.8	10.4	11.7	18.8	9.1
5-Very likely	C%	13.4	16.3	11.2	0.0	13.9	9 13.0 9	19.5	14.3	17.3	9.4	30.0	13.8	33.3	9.5	13.6	14.1	31.3	9.1
Don't know	C%	9.1	11.6	7.1	0.0	7.5	8 10.7 7	10.4	0.0	12.5	8.8	10.0	6.9	13.3	0.0	3.9	9.9	12.5	9.1
	MEAN:	2.47	2.55	2.41	*	2.49	2.45	2.38	2.14	2.81	2.37	3.11	2.41	3.23	2.19	2.45	2.57		2.10 Q

NEEA Consumer Lighting Survey (3321)
UF1B. What changed your mind to make you say you're now likely to buy a CFL in the next year?

BASE: Now likely to purchase

	===:							=== BAN	NER 1 =						======			
			CATEGOR	Z								RCHASE	MOST 1	RECENT	STORE	TYPE	REPLACI	E
			Aware Non-			ION		STA	TE								ON BURI	TUON
	Tota		Pur- er chase:		East	West									Hard-	other		Un- likely
			C															
Total			25 3				6		21	28	7		12					
	C% 10		.0 100.0 L7 4:		100.0	100.0			100.0		100.0		100.0					
Saves energy/efficient	: C% 1:		0 1: .0 32.				1 14.8	2 30.7	3 15.7		0.0	0.0	0.0					
		14	0 1	1 () 5	9	1	2	4	7	0	0	0	0	11	3	0	0
Saves money on electricty	C% 1		1 .9 20.	0.0	15.6	13.9	14.8				0.0	1 9.1	0.0	14.3	3.3	22.8		0.0
		10	1 !	9 () 5	5	1	1	4	4	0	1	0	1	1	8	1	0
They last much longer		7 4 17		0.0	17.7	4.9	29.6	1 27.0		4 13.3	0.0			42.9	6.5	16.4	9.1	0.0
		6	3	3 () 5	1	2	1	0	3	0	3	0	3	2	4	1	0
Curious to try them			.6 16.		17.7	16.0			6 26.5		20.0	9.1		0.0	21.3	12.4	0.0	50.0
		10	3	7 () 5	5	0	0	6	4	1	1	2	0	5	4	0	1
Price of blubd is less		2.7 0	0 4.	7 0.0	0.0	5.5	0.0	0.0	0.0		0.0			0.0	0.0	5.2	0.0	0.0
		2	0	2 (0	2	0	0	0	2	0	0	0	0	0	2	0	0
Will fit most of my fixtures	C% (4 5.2 11		3 0.0	7.5	4.9	0.0	0.0	1 6.9	2 8.1		9.1	1 12.5	0.0	9.0	4.6	18.2	0.0
		3	2	L () 2	1	0	0	1	2	1	1	1	0	2	1	2	0
Other	C% :		.9 0.0		4.8	0.0		0.0	0.0		0.0		0.0	14.3	0.0	4.6	9.1	0.0
		1	1) () 1	. 0	1	0	0	0	0	1	0	1	0	1	1	0

BASE: Now likely to purchase

	=								=== BAN	NER 1 =					======		======	======	=====
			C	ATEGORY										MOST	RECENT	STORE	TYPE	REPLACE	i
												1ST PU	RCHASE	PUR	CHASE			CFL W/C	FL
				Aware		REG	ION									Groc./		ON BURN	OUT
				Non-					STA	TE						Drug/	All		
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-
	Γ	otal	chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
	-	-A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Don't know		14	10	4	. 0	5	9	0	1	8	5	4	6	7	3	6	7	9	1
	С%	23.7	41.2	11.6	0.0	17.7	29.9	0.0	27.0	35.4	19.1	60.0	36.4	62.5	28.6	23.8	21.0	54.5	50.0
		12	2 7	5	0	5	7	0	1	6	5	3	4	5	2	5	5	6	1
Refused		2	2 0	2	0	2	0	1	0	0	1	0	0	0	0	0	2	0	0
	С%	2.7	0.0	4.7	0.0	5.4	0.0	14.8	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0
		_		_		2	0	1	0	0	1	0	0	0		0	2	0	0

NEEA Consumer Lighting Survey (3321)
UF1B. What changed your mind to make you say you're now likely to buy a CFL in the next year?
BASE: Now likely to purchase

	=	=====						======	=== BAN	NER 1 =				======					
				ATEGORY								1ST PUF	RCHASE		RECENT CHASE	STORE		REPLACE CFL W/C	
				Aware Non-		REG	ION		STA	Tre						Groc./ Drug/		ON BURN	
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-			Un-
						of I5	of I5	ID											likely
	_	-A		C	D	E		G	n	1	0	K		!v1		0	P	Q	
Total		46	15	31	0	24	22	5	4	14	23	3	10	4	7	20	24	7	1
	C%	100.0	100.0	100.0 37			100.0 24	100.0	100.0	100.0 15	100.0	100.0	100.0	100.0					
		4 /	10	3 /	U	23	24	5	4	15	23	2	/	3	5	22	23	5	1
Saves energy/efficient		3	1	2	0	2	1	0	0	1	2	0	1	0	1	0	3	0	0
	C%	6.9	10.0	5.4	0.0			0.0	0.0	6.1 1	10.0	0.0	14.3	0.0			13.3		
		3	_	2	U	2		U	U	Τ.	2	0	1	U	1	U	3	U	0
Saves money on		2	1	1	0	0	2	0	0	0	2	0	1	0	1	1	1	0	0
electricty	C%	5.1		2.7	0.0			0.0	0.0	0.0	10.0	0.0	14.3	0.0					0.0
		-	-	-	Ü	Ü	2	· ·	Ü	Ü	_	Ü	-	Ü	-	-	-	Ü	Ü
They last much longer		1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0
	C%	1.8		2.7				0.0	0.0	0.0	3.6 1	0.0	0.0	0.0					
Price of blubd is less								0	0	1	1	0	1	0					
than I thought	C%	5.1 2		2.7				0.0	0.0	6.1 1	6.4 1	0.0	14.3 1	0.0					
Will fit most of my	C%	3		3				0	1	2 12.1	0	0	0	0					
fixtures	C&	5.5 3	0.0	8.1			7.6 2	0.0	21.0	12.1	0.0	0.0	0.0	0.0			–		0.0
Other	C%	1 1.8	0.0	1 2.7			0.0	0.0	0.0	0.0	1 3.6	0.0	0.0	0.0					
	C-8	1.0						0.0	0.0	0.0	1		0.0	0.0					
No other reason	C%	35 77.1	12 80.0	23 75.7	0.0		15 70.5	5 100.0	3 79.0	10 75.8	17 72 7	3 100.0	7 71 4	100.0				7 100.0	
	-	36						5	3	11	17	2	5	3					

NEEA Consumer Lighting Survey (3321) UF2A. What, if anything, would motivate you to purchase CFLs in the next year? BASE: Unlikely future purchaser

;							======	=== BAN	NER 1 =	======					======			
			ATEGORY								1ST PUR	CHASE		RECENT CHASE	STORE		REPLACE	
			Aware		REG										Groc./		ON BURN	TUO
		Pur-	Non- Pur-	Un-	East	West		STA	TE 		Tn	Before	Tn	Before	Drug/ Hard-			Un-
		chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores		likely
•	A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
maka l	110	20	16	20	5.6	5.0	1.2	1.4	20	-7	7	26	1.0	0.1	40	Ε0	7	1.2
Total C%	112 100.0	38 100.0	46 100.0	28 100.0		56 100.0	13 100.0	14 100.0	28 100.0	57 100.0	7 100.0	26 100.0	10 100.0			50 100.0	100.0	13 100.0
	137	26	55	56	69	68	16	15	34	72	5	18	7	14	49	61	5	9
								_										
They need to be cheaper C%	26 23.2		12 25.5	6 19.6		11 18.9	1 6.4	5 40.0	7 24.0	13 22.5	3 40.0	4 16.7	4 42.9			14 27.4		4 33.3
	31	6	14	11	19	12	1	7	7	16	2	3	3	2	11	17	1	3
Need to be convinced of their energy savings C%	12 11.1		3 5.5			6 11.3	0.0	3 20.5	2 6.5	8 13.6	20.0	1 5.6	1 14.3			6 12.9	0.0	4 33.3
	17		3	11	7		0	3	3	11	1		1			9		
			D	С														
Need to see them in the stores where I shop C%	6		1 1.8	6 19.6		3 5.4	1 3.9	1 3.7	2 5.4	4 6.7	0.0	0.0	0.0			0.0	0.0	0
stores where I shop Ca	5.7 12		1.8	11	6		3.9	1	3.4	7	0.0		0.0					0.0
			D	C														
Need to make them in	7		3			3	0	1	4	2	0	0	0					0
different sizes C%	6.6 9			7.1			0.0	10.7 1	14.7 5	3.2	0.0	0.0	0.0					0.0
									J	I								
Need to make them look	1		0				0	0	0	1	0	0	0					
attractive in fixtures C%	0.4		0.0	1.8		0.9	0.0	0.0	0.0	0.9	0.0	0.0	0.0			1.0		0.0
I still need more	4	0	3	1	3	2	1	1	2	1	0	0	0	0	1	1	0	0
information about CFLs C%	3.9					3.0	6.4 1	3.7	5.9 2	2.3	0.0	0.0	0.0					
	O	O	-	۵	1	2	_	_	2	2	O	U	U	O	2	_	0	5
Nothing	28	10	12	6	16	12	4	4	5	14	0	10	1	7	14	11	3	1
C%	24.9 33	26.9 7		21.4 12			29.4 5	32.1	19.4 7	24.9 18	0.0	38.9 7	14.3			22.5 14		11.1
	33	/	14	12	19	14	5	3	/	19	U	/	Τ	5	1/	14	2	1

NEEA Consumer Lighting Survey (3321) UF2A. What, if anything, would motivate you to purchase CFLs in the next year? BASE: Unlikely future purchaser

		=====		ATEGORY			======	======	=== BAN	NER 1 =	=====	1ST PU	====== RCHASE	MOST 1	===== RECENT CHASE	STORE		REPLAC:	E
				Aware Non-		REG	ION		STA	TE						Drug/	All	ON BUR	
			Pur- chaser B				West of I5 F	ID G	MT H	OR I	WA	In 2005 K	Before 2005 L	2005	Before 2005 N	ware			Un- likely R
I don't like the quality of the light	C%	8 6.7 6	15.4	3.6	0.0	1.5	12.0 5	1 6.4 1	0.0	3.0 1	6 10.2 4	0.0		0.0			8.8		0.0
I still prefer incande-cent/standard bulbs	es C%	3 2.4 4	0.0	3.6	3.6	0.0	4.8	0.0	0.0	1 1.8 1	2 3.8 3	0.0	0.0	0.0	0.0	3.2	1.0	0.0	0.0
Nothing at all	C%	11 9.8 14	3.8	16.4	7.1	11.8	7.8	4 32.2 5	1 3.7 1	2 7.7 3	4 7.2 5	1 20.0 1	0.0	1 14.3 1	0.0	8.7		0.0	1 11.1 1
Other	C%	6 5.6 6		1.8			10.2	0.0	0.0	3 10.4 2	3 5.8 4		16.7	0.0	-	3.5	9.5	0.0	3 22.2 2
Don't know	C%	3.7 5		3.6	3.6		3.0	2 15.2 2	0.0	1 3.0 1	1 2.3 2		5.6	0.0	7.1	5.2	1.0		1 11.1 1
Refused	C%	2.0	3.8	1.8	0.0	0.0	4.1	0.0	0.0	0.0	2 4.0 2	20.0	0.0	1 14.3 1		3.5	0.0	0.0	0.0

	:		C.	ATEGORY			======	:=====	=== BAN					MOST	RECENT	STORE	TYPE	REPLAC	E.
						REG	ION		STA							Groc./		ON BUR	NOUT
			chaser	Pur- chaser	Un- aware	East of I5	West of I5 F	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
Total	C%	26 100.0 31	100.0		100.0	100.0	11 100.0 12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 3
\$1	C%	7 25.9 7	50.0	7.1	27.3	40.4	4.8	0.0	36.0		36.9	50.0		66.7	50.0		38.4		3 66.7 2
\$2	C%	1 3.9 2	0.0	0.0	18.2	3.3	4.8	0.0	9.2 1	0.0			0.0	0.0	0.0	10.7	0.0	0.0	0.0
\$6	C%	1 3.2 1	0.0	7.1	0.0	5.4	0.0	0.0	0.0	0.0	1 6.4 1	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0
\$10	C%	1 5.6 1	1 16.7 1	0.0	0.0	0.0	13.9	0.0	0.0	21.7	0.0		0.0	33.3	0.0	0.0	10.6	0.0	0.0
\$12	C%	1 1.9 1	0.0	0.0	9.1	3.3	0.0	0.0	0.0	0.0	1 3.9 1	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0
Don't know	C%	13 51.1 16	33.3	71.4	36.4	33.5	76.6	100.0					33.3	0.0	50.0	56.2	37.6	0.0	33.3
	MEAN:	3.3	3.2	3.5	3.2	2.3	6.5	*	1.2	10.0	2.5	5.5	1.0	4.0	1.0	1.4	3.8	1.0	1.0

NEEA Consumer Lighting Survey (3321) UF2.1. How much per bulb would you pay?

BASE: Respondents who said need to be cheaper

	=		======	======	======		======		=== BAN	NER 1 =	=====	======	======		======	======			
			C	ATEGORY										MOST	RECENT	STORE	TYPE	REPLACE	£
												1ST PU	RCHASE	PUR	CHASE			CFL W/C	JFL
				Aware		REG	ION									Groc./		ON BURN	10UT
				Non-					STA	TE						Drug/	All		
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-
		Total		chaser			of I5	ID	MT	OR	WA	2005	2005	2005				Likely	
	-	A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Refused		2	0	2	1	2	0	0	2	0	0	0	0	0	0	2	1	0	0
	C%	8.3	0.0	14.3	9.1	14.1	0.0	0.0	39.6	0.0	0.0	0.0	0.0	0.0	0.0	17.6	3.7	0.0	0.0
		3	0	2	1	3	0	0	3	0	0	0	0	0	0	2	1	0	0
	MEAN:	3.3	3.2	3.5	3.2	2.3	6.5	*	1.2	10.0	2.5	5.5	1.0	4.0	1.0	1.4	3.8	1.0	1.0

2006/01/09

		======		ATEGORY		======		======	=== BAN	NER 1 =		1ST PUF		MOST I	===== RECENT CHASE	STORE	TYPE	REPLACI	2
				Aware Non-		REG			STA	TE								ON BURI	TUOIT
		Total	chaser	Pur- chaser C			West of I5 F	ID	MT H	OR	WA	2005	Before 2005 L	2005		ware		Likely	
Total	C%	6 100.0 12	0.0			3 100.0 6	3 100.0 6	100.0	100.0	100.0	4 100.0 7	0 0.0 0	0.0	0.0	0.0		0.0		0.0
Grocery store	C%	2 28.9 3	0.0	1 100.0 1	1 18.2 2		1 16.7 1	0.0	1 100.0 1	0.0	1 34.7 2	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Home centers	C%	2 23.7 3	0.0	0.0			1 16.7 1	0.0	0.0	1 33.3 1	1 26.1 2	0.0	0.0	0.0	0.0	0.0		0.0	0.0
Large general merchandise chains	C%	3 39.5 5	0.0	0.0	45.5		2 50.0 3	1 100.0 1	0.0	1 66.7 2	1 26.1 2	0 0.0 0	0.0	0.0	0.0	0.0		0.0	0.0
Local hardware stores	C%	1 15.8 2	0.0	0.0	18.2		1 16.7 1	0.0	0.0	1 33.3 1	1 13.1 1	0.0	0.0	0.0	0.0		0.0	0.0	0.0

NEEA Consumer Lighting Survey (3321) UF2.6. What type of information would you be looking for? BASE: Respondents who need more information

		=====	: C	====== ATEGORY					=== BAN	INER 1 =	======				====== RECENT	STORE	TYPE	REPLACE	 C
												1ST PU	RCHASE		CHASE				
				Aware		REG	ION									,		ON BURN	OUT
				Non-					STA								All		
			Pur-			East							Before			Hard-			
					aware		of I5	ID	MT	OR	WA	2005	2005	2005 M			stores		
		A		C	Б	E		G	п	1	0	K		Ivi	14	0	P	Q	K
Total		4	0	3	1	2	2	1	1	2	1	0	0	0	0	1	0	0	0
10001	C%	100.0					100.0							0.0	0.0	100.0	0.0	0.0	0.0
		5		4					1				0	0	0	2	0	0	0
Literature send in the	•	1	0	1		0		0	0	1	0	0	0	0		1	0	0	0
mail	C8	21.7				0.0		0.0		50.0		0.0		0.0		62.3	0.0	0.0	0.0
		1	0	1	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0
				_		_													
How much light they give off		1 21.7				1 38.4		0.0	0	1 50.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
give oii	Ca	1	0.0			1	0.0	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
How much energey they		1	0	1	1	1	1	0	1	0	1	0	0	0	0	1	0	0	0
save/efficiency	C8	34.9	0.0	25.0	100.0				100.0		100.0		0.0	0.0	0.0	37.7	0.0	0.0	0.0
		2	0	1	1	1	1	0	1	0	1	0	0	0	0	1	0	0	0
				_		_													
Don't know	C?	1 3 21.7	0.0	1 25.0	0	1 38.4		100.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
	Ca	1						100.0		0.0	0.0			0.0					0.0

NEEA Consumer Lighting Survey (3321) UF2.8. What don't you like about the quality of the light? BASE: Respondents who don't like the quality of the light

		======			======				=== BAN	NER 1 =							======		
			C	ATEGORY											RECENT	STORE		REPLACI	
												1ST PUR			CHASE			CFL W/	
				Aware Non-		REG:	ION		STA	. mp						Groc./	All	ON BURI	TUOIT
			Pur-	Pur-	Un-	East	West					In	Before	Tn	Poforo	Hard-			IIn-
		Total			aware		of I5	ID	MT	OR	WA	2005	2005	2005		ware			
							F												
																		~	
Total		0	6	2	0	1	7	1	0	1	6	0	6	0	6	2	4	0	0
IOCAI	C %	: 100 0	100.0	100 0	0 0	100 0	100.0			100.0			100.0			100.0			
		6						1			4		4	0					0
Inconsistent light		1	1	0	0	0	1	0	0	0	1	0	1	0	1	0	1	0	0
inconsistent fight	C%	19.5	25.0			0.0	21.9	0.0	0.0	0.0	25.0	0.0	25.0	0.0	25.0	0.0	33.3	0.0	0.0
		1	1	0		0	1	0	0	0	1		1	0		0	1	0	0
Not bright enough		2	1	1	0	0	2	0	0	1	1	0	1	0	1	2	0	0	0
not zrigne enough	C%		25.0				34.3	0.0	0.0	100.0	25.0	0.0	25.0	0.0	25.0	73.4	0.0	0.0	0.0
		2	1	1		0	2	0	0	1	1		1	0	1	2	0	0	0
Dislike color/not true	2/	2	1	1	0	1	1	1	0	0	1	0	1	0	1	1	1	0	0
Looks green	C%	30.5	25.0	50.0	0.0	100.0	21.9	100.0		0.0	25.0		25.0	0.0	25.0	26.6	33.3	0.0	0.0
		2	1	1	0	1	1	1	0	0	1	0	1	0	1	1	1	0	0
Don't know		1	1	0		0	1	0	0	0	1	0	1	0	1	0	1	0	0
	C%		25.0									0.0				0.0			0.0
		1	1	0	0	0	1	0	0	0	1	0	1	0	1	0	1	0	0

	===	====	======			======			=== BAN	NER 1 =	======				======	======			
			CZ	ATEGORY								1ST PUR	RCHASE		RECENT CHASE	STORE		REPLACE	
				Aware Non-		REG	ION		STA	TE						Groc./ Drug/		ON BURN	TUON
	Tota				Un- aware	East of I5	West of I5	ID	MT	OR	WA	In 2005	Before 2005	In 2005	Before		other	Likely	Un- likely
																		Q	
Total		3	0	2	1	0	3	0	0	1	2	0	0	0	0	1	1	0	0
	C% 10					0.0	100.0	0.0	0.0	100.0	100.0	0.0	0.0		0.0	100.0	100.0		
		4	0	2	2	0	4	0	0	1	3	0	0	0	0	2	1	0	0
Quality of light		2	0	2	0	0	2	0.0	0	0	2 76.8	0	0	0	0	1	0	0	0
	C% 6	2.3	0.0	100.0		0.0	62.3	0.0	0.0	0.0	76.8	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Color of light		1	0	0	1	0	1	0	0	1	0	0	0	0	0	1	0	0	0
COTOL OI TIGHT	C% 1		0.0		50.0	0.0	18.9	0.0	0.0	100.0	0.0	0.0	0.0		0.0	37.7			
		Τ	U	U	1	U	1	U	U	1	U	U	U	U	U	1	U	U	0
Cheaper		1	0	0		0		0	0	0	1	0		0			1	0	0
	C% 1	8.9 1	0.0	0.0		0.0	18.9 1	0.0	0.0	0.0	23.2		0.0	0.0			100.0	0.0	0.0

NEEA Consumer Lighting Survey (3321) R1. How often do you shop at: Home Centers such as Home Depot or Lowe's? BASE: Total respondents

	;		C	ATEGORY		=====:	======	======	=== BAN	NER 1 =				MOST I	RECENT	STORE	TYPE	REPLACE	1
				Aware Non-		REG	ION		STA	TE		1ST PUF	CHASE		CHASE		All	ON BURN	IOUT
			Pur- chaser				West of I5	ID	MT	OR	WA	2005	Before 2005	2005	2005		stores	Likely	
	•	A	B	C	D	E	F	G	н	1	J	K	L	M	N	0	P	Q	R
Total	C%	560 100.0 560	323 100.0 220	167 100.0 200	71 100.0 140	289 100.0 287	271 100.0 273	63 100.0 63	60 100.0 56	162 100.0 163	275 100.0 278	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	196 100.0 203	294 100.0 280	258 100.0 176	19 100.0 13
At least once every to weeks		94 16.7 79	70 21.8 48 CD	19 11.5 23 B	4 5.7 8 B	13.4 35	55 20.3 44 E	7 11.3 7	5 8.2 4 I	35 21.4 29 H	47 17.1 39	18 19.7 12	48 22.8 33	40 21.6 27	21 19.7 14	16 8.4 16 P	65 22.0 51 0	59 22.7 40	7.7 1
Once a month	C%	167 29.9 172	92 28.6 63	51 30.5 61	24 34.3 48	32.9	72 26.7 79	22 35.1 20 I	19 32.1 16	35 21.4 36 GJ	91 33.2 100 I	26 29.5 18	62 29.0 42	45 24.8 31	38 36.6 26	54 27.3 57	98 33.3 94	75 29.0 51	23.1 3
Several times a year	C%	169 30.1 167	98 30.5 67	51 30.5 61	20 27.9 39	86 29.8 85	83 30.5 82	20 31.5 20	14 24.1 14	52 32.2 52	83 30.0 81	34 37.7 23	57 26.9 39	65 35.2 44	23 22.5 16	66 33.4 66	83 28.1 83	75 29.0 51	10 53.8 7
Once a year or less	C%	68 12.1 77	28 8.6 19 CD	27 16.0 32 B	13 18.6 26 B	12.0 38	33 12.2 39	10 16.1 11	9 15.2 11	19 11.7 22	30 10.7 33	3 3.3 2	23 11.0 16	13 7.2 9	13 12.7 9	30 15.4 35 P	26 8.8 27 O	21 8.0 14	1 7.7 1
Never	C%	60 10.7 63	32 10.0 22	18 11.0 22	10 13.6 19	32 11.1 34	28 10.4 29	4 6.1 5 H	12 20.5 11 GJ	21 12.8 23	23 8.5 24 H	9 9.8 6	22 10.3 15	21 11.2 14	9 8.5 6	29 14.7 28 P	22 7.5 24 0	28 10.8 19	1 7.7 1
Don't know	C%	0.4 2	0.5 1	1 0.5 1	0.0	0.8	0.0	0.0	0.0	0.5 1	0.5 1	0.0	0.0	0.0	0.0	0.7 1	1 0.3 1	0.6 1	0.0

NEEA Consumer Lighting Survey (3321)
R2. How often do you shop at: Large general merchandise chains such as Wal-Mart or Costco?
bASE: Total respondents

			CZ	ATEGORY			======	======	=== BAN	NER 1 =				MOST I	RECENT	STORE	TYPE	REPLACE	1
				Aware Non-		REG	ION		STA	TE		1ST PUF	CHASE		CHASE		All	ON BURN	IOUT
						East of I5		ID	MT	OR	WA	2005	Before 2005	2005	2005		stores	Likely	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total	C%	560 100.0 560	323 100.0 220	167 100.0 200	71 100.0 140	289 100.0 287	271 100.0 273	63 100.0 63	60 100.0 56	162 100.0 163	275 100.0 278	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	196 100.0 203	294 100.0 280	258 100.0 176	19 100.0 13
		300	220	200	140	207	2/3	03	30	103	270	01	143	123	71	203	200	170	13
At least once every to weeks	wo C%	223 39.8 219	133 41.4 91	63 38.0 76	26 37.1 52	41.6	103 37.9 101	26 42.2 25	24 39.4 22	68 42.0 68	105 38.1 104	41 45.9 28	87 40.7 59	75 40.8 51	41 39.4 28	26.0	145 49.4 138 O	110 42.6 75	7 38.5 5
Once a month	C%	151 26.9 156	82 25.5 56	46 27.5 55	23 32.1 45	26.3	75 27.6 79	19 30.7 19	14 23.7 13	38 23.8 41	79 28.6 83	19 21.3 13	56 26.2 38	41 22.4 28	32 31.0 22	27.7	78 26.7 76	67 26.1 46	23.1 3
Several times a year	C%	79 14.1 77	48 15.0 33	22 13.0 26	9 12.9 18	15.2	35 13.0 33	8 13.4 9	10 16.1 9	23 13.9 21	39 14.0 38	15 16.4 10	29 13.8 20	32 17.6 22	12 11.3 8		34 11.5 33 0	37 14.2 25	6 30.8 4
Once a year or less	C%	36 6.5 36	21 6.4 14	12 7.0 14	5.7	7.2	15 5.7 15	4 6.6 5	8 12.8 7 J	9 5.6 9	15 5.6 15 H	7 8.2 5	13 6.2 9	15 8.0 10	6 5.6 4	8.3	15 5.3 14	6.8	0.0
Never	C%	70 12.5 71	38 11.8 26	23 14.0 28	9 12.1 17	27 9.3 26 F	43 15.9 45 E	7.1 5	5 7.9 5	23 14.2 23	38 13.8 38	7 8.2 5	28 13.1 19	21 11.2 14	13 12.7 9	37 18.8 38 P	20 6.9 18 O	26 10.2 18	7.7 1
Don't know	C%	0.1 1	0.0	1 0.5 1	0.0	0.3	0.0	0.0	0.0	1 0.5 1	0.0	0.0	0.0	0.0	0.0	0.0	1 0.3 1		0.0

NEEA Consumer Lighting Survey (3321)
R3. How often do you shop at: Local hardware stores, including ACE or TrueValue?
BASE: Total respondents

		=====		====== ATEGORY	=====	=====		======	=== BAN	NER 1 =	======			MOST F		STORE		REPLACE	
				 Aware Non-		REG	ION		STA	mp.		1ST PUI	RCHASE		HASE			ON BURN	TUOI
			Pur-	Pur-	Un-	East	West					In	Before			Hard-	other		Un-
						of I5 E	of I5 F	ID G	MT H	OR I	WA J	2005 K	2005 L	2005 M				Likely	-
Total	C%	560 100.0 560		167 100.0 200	71 100.0 140	100.0	271 100.0 273	63 100.0 63	60 100.0 56	162 100.0 163	275 100.0 278	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	196 100.0 203	294 100.0 280	258 100.0 176	19 100.0 13
At least once every t weeks		90 16.0 85	17.7	23 14.0 28	9 12.9 18	17.1	40 14.9 39	11 17.3 10	14 23.4 12 I	19 11.5 17 H	46 16.7 46	12 13.1 8	44 20.7 30	35 19.2 24	21 19.7 14	35 17.6 36	43 14.7 37	50 19.3 34	7.7 1
Once a month	С%	114 20.3 111	21.4	32 19.0 38	18.6	21.5	52 19.0 51	10 15.7 10	18 30.3 17	34 20.9 33	52 18.8 51	21 23.0 14	44 20.7 30	43 23.2 29	19 18.3 13	44 22.6 45	58 19.8 54	50 19.3 34	7 38.5 5
Several times a year	C%	139 24.8 142	78 24.1 53	42 25.0 50	20 27.9 39	27.0	61 22.5 66	21 34.1 22 I	15 24.6 14	35 21.5 35 G	68 24.7 71	26 29.5 18	47 22.1 32	45 24.8 31	25 23.9 17	50 25.7 54	66 22.5 63	60 23.3 41	9 46.2 6
Once a year or less	C%	92 16.4 93	15.5	31 18.5 37	11 15.7 22	52 17.9 53	40 14.8 40	12 19.5 12	7 11.8 7	26 16.1 29	47 16.9 45	10 11.5 7	37 17.2 25	21 11.2 14 N	23 22.5 16 M	25 12.6 26	56 19.0 56	41 15.9 28	0.0
Never	C%	120 21.4 123	65 20.0 44	39 23.5 47	16 22.9 32	16.3	73 26.8 72 E	8 13.4 9 I	5 9.0 5 IJ	45 27.6 45 GH	61 22.3 64 H	19 21.3 13	38 17.9 26	35 19.2 24	16 15.5 11	41 21.0 40	66 22.6 67	54 21.0 37	7.7 1
Don't know	C%	6 1.1 6		0 0.0 0 D	2 2.1 3 C	0.2		0.0	1 0.8 1	2.4 4	1 0.5 1	1 1.6 1	3 1.4 2	4 2.4 3	0.0	1 0.5 2	1.5 3	3 1.1 2	0.0

NEEA Consumer Lighting Survey (3321)
R4. Where do you typically buy light bulbs?
BASE: Respondents who didn't mention "need to see them where I buy light bulbs" as a reson to purchase CFLs

	=====		===== ATEGORY		======	======	======	=== BAN	INER 1 =		1ST PU		MOST	===== RECENT CHASE	STORE		REPLACE	2
			Aware Non-		REG	ION		STA	ATE.						Groc./		ON BURN	TUOIT
		Pur- chaser B	Pur- chaser				ID	MT	OR	WA	2005	Before 2005 L	2005	2005	Hard- ware	other stores	Likely	
Total	55 C% 100. 54	0 100.0	100.0	100.0	285 100.0 281	268 100.0 267	62 100.0 62	60 100.0 55	160 100.0 160	272 100.0 271	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	100.0	294 100.0 280	258 100.0 176	19 100.0 13
Wherever I notice them/ wherever I happen to be		9 9.5	10.1	10.9	8.1	11.7	6 9.8 7	3 5.8 3	9 5.8 12 J	36 13.1 33 I	3 3.3 2	23 11.0 16	15 8.0 10	9.9	0.0	0.0	23 9.1 16	4 23.1 3
Grocery store	11 C% 20. 12	3 14.5	28.6 57	27.1 35		66	11 17.4 15	8 13.6 9	33 20.8 36	60 22.0 64	18 19.7 12	25 11.7 17	25 13.6 17		57.1	0.0 0.0 0	28 10.8 19	9 46.2 6
Drug store	1 C% 2. 1	7 2.3	2.5	5.4	1.7	10 3.8 11	1 1.6 2	0.8 1	5 2.9 6	9 3.3 8	3 3.3 2	0.7 1	0.8 1		7.7	0.0 0.0 0	6 2.3 4	0.0
Home centers	11 C% 20. 10	7 25.9	14.1 28	11.6 15	45		10 15.8 8	10 16.5 8	45 27.8 36 J	50 18.5 48 I	25 27.9 17	56 26.2 38	51 28.0 35	25.4	0.0	114 39.0 100 0	70 27.3 48	7.7 1
Large general merchandise chains	16 C% 30. 16	6 30.9	29.1	32.6		23.0 65	28 44.3 24 IJ	21 35.0 19	48 29.7 50 G	73 27.0 75 G	31 34.4 21	65 30.3 44	54 29.6 37	33.8	0.0	169 57.6 168 O	84 32.4 57	3 15.4 2
Local hardware stores	6 C% 12. 6	5 15.5	8.0 16	9.3 12	15.4	9.4 24	6 9.7 5 H	16 27.0 14 GIJ	11 7.2 10 H	36 13.1 33 H	10 11.5 7	38 17.9 26	32 17.6 22	16.9	35.3	0.0 0.0 0	43 16.5 29	7.7 1
Other	1 C% 1. 1	8 0.9	3.0	3.1	1.6	2.0	1 1.3 1	0.0	7 4.3 8 J	0.8 3 I	0.0	3 1.4 2	3 1.6 2	0.0	0.0	10 3.4 12 0	1.1	0.0

	=		======	======	======	======	======		=== BAN	NER 1 =	=====		======		======	======	======		
			C.	ATEGORY										MOST	RECENT	STORE	TYPE	REPLACI	Ε
												1ST PU	RCHASE	PUR	CHASE			CFL W/	CFL
				Aware		REG	ION									Groc./		ON BURI	NOUT
				Non-					STA	ATE						Drug/	All		
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-
	T	Total	chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
	-	A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Don't know		9	1	8	0	2	7	0	1	2	6	0	1	1	0	0	0	1	0
	С%	1.6	0.5	4.5	0.0	0.6	2.7	0.0	1.4	1.4	2.1	0.0	0.7	0.8	0.0	0.0	0.0	0.6	0.0
		10	1	9	0	2	8	0	1	2	7	0	1	1	0	0	0	1	0
			C	RD		F	F												

2006/01/09

NEEA Consumer Lighting Survey (3321)
Al. How much do you disagree or agree with the following statement... I am not very concerned about the amount of energy used in my home BASE: Total respondents

	=	=====	C	ATEGORY		======		======	=== BAN	NER 1 =				MOST I	EECENT CHASE	STORE	TYPE	REPLACE	2
				Aware Non-		REG:	ION		STA	TE		1ST PUR	CHASE					ON BURN	TUOI
				Pur- chaser			West of I5	ID		OR	WA	2005		2005	2005	Hard- ware	stores	Likely	- 1
Total		560			71	289	271	63	60	162	275	89	213	183	104	196	294	258	19
	C%	100.0 560	100.0 220		100.0 140	100.0 287	100.0 273	100.0	100.0 56	100.0 163	100.0 278	100.0	100.0 145	100.0 125	100.0 71	100.0 203	100.0 280	100.0 176	100.0
1 - Strongly disagree	C%	361 64.4 336	236 73.2 161 CD	55.0 110	46.4 65	188 65.2 169	172 63.5 167	41 65.7 37	41 67.4 35	103 63.6 97	176 63.9 167	63 70.5 43	158 74.5 108	144 78.4 98 N	67 64.8 46 M	122 62.0 117	201 68.5 178	199 77.3 136	12 61.5 8
2	C%	54 9.7 60	25 7.7 17 D	11.5 23	10 14.3 20 B	29 10.0 33	25 9.3 27	7 11.3 7	5 8.5 5	18 11.1 20	24 8.8 28	4 4.9 3	19 9.0 13	7 4.0 5 N	16 15.5 11 M	12.6 28	23 7.7 23	19 7.4 13	7.7 1
3	C%	36 6.4 42	15 4.5 10 D	8.0 16	11.4	22 7.7 25		4 6.3 4	4 7.4 5	9 5.7 10	18 6.7 23	4 4.9 3	10 4.8 7	9 4.8 6	6 5.6 4	5.5	19 6.4 21	12 4.5 8	1 7.7 1
4	C%	33 5.9 39	12 3.6 8 CD	8.5 17	10.0 14	14 4.8 18	7.0	3.7 4	4 6.4 5	11 7.1 13	15 5.6 17	3 3.3 2	9 4.1 6	4 2.4 3	6 5.6 4	7.1	14 4.8 17	7 2.8 5	0.0
5 - Strongly agree	C%	73 13.0 79	34 10.5 23	16.5	12 16.4 23	35 12.0 41		8 13.0 11	6 9.5 5	20 12.6 23	39 14.0 40	15 16.4 10	16 7.6 11	19 10.4 13	9 8.5 6	12.3	36 12.3 39	21 8.0 14	23.1 3
Don't know	C%	3 0.6 4	0.5	0.5	1.4	0.2	1.0	0.0	0.8 1	0.0	3 1.0 3	0.0	0.0	0.0	0.0	0.4	0.3 2	0.0	0.0
MEAN	1:	1.93	1.70 CD				1.98	1.87	1.81	1.94	1.96	1.90	1.61	1.62	1.77	1.94	1.84	1.57	2.15

NEEA Consumer Lighting Survey (3321)
A2. How much do you disagree or agree with the following statement... My life is too busy to worry about making energy related improvements in my home. BASE: Total respondents

	=	:====:	C	====== ATEGORY		=====	======	======	=== BAN	NER 1 =	======	ST PUI		MOST 1	===== RECENT CHASE	STORE	TYPE	REPLACI	E
				Aware Non-		REG:	ION		STA	TE						Groc./ Drug/		ON BURI	
				Pur- chaser				ID G	MT	 OR	WA	2005		2005	2005	Hard- ware	other stores		
Total	C%	560 100.0 560		100.0	71 100.0 140	289 100.0 287	271 100.0 273	63 100.0 63	60 100.0 56	162 100.0 163	275 100.0 278	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	100.0	294 100.0 280	258 100.0 176	19 100.0 13
1 - Strongly disagree	C%	347 61.9 317	232 71.8 158 CD	53.0 106	27 37.9 53 BC	182 63.1 164	165 60.6 153	44 70.6 40	39 64.1 33	104 64.1 95	160 58.2 149	66 73.8 45	152 71.7 104	141 76.8 96 N	66 63.4 45 M	57.1 108	201 68.4 178 0	188 72.7 128	12 61.5 8
2	C%	63 11.3 72	26 8.2 18 CD	14.5 29	13 17.9 25 B	33 11.4 38		5 8.5 8	7.4 5	17 10.4 18	37 13.3 41	9 9.8 6	15 6.9 10	10 5.6 7	12 11.3 8	13.2	30 10.1 33	16 6.3 11	23.1
3	C%	72 12.8 80	31 9.5 21 CD	17.0 34	13 17.9 25 B	42 14.5 45	30 11.1 35	6 8.9 6	11 18.3 11	23 14.2 28	32 11.7 35	9 9.8 6	19 9.0 13	16 8.8 11	12 11.3 8	14.2	30 10.1 31	26 10.2 18	3 15.4 2
4	C%	23 4.2 31	6 1.8 4 CD	6.0 12	15	9 3.1 12		0.8 1	1 2.2 2	6 3.6 7	16 5.7 21	0.0	6 2.8 4	0.8 1	4.2	3.7	13 4.6 15	3 1.1 2	
5 - Strongly agree	C%	47 8.4 50	25 7.7 17	8.0	9 12.1 17	20 6.9 24	27 9.9 26	5 7.9 6	7.1 4	11 6.9 13	27 9.6 27	6 6.6 4	19 9.0 13	15 8.0 10	9 8.5 6	11.5	18 6.0 20 O	23 9.1 16	
Don't know	C%	8 1.4 10	3 0.9 2	1.5	3.6	3 1.0 4	5 1.8 6	3.1 2	0.8 1	0.8 2	4 1.5 5	0.0	0.7 1	0.0	1 1.4 1	0.3	3 1.0 3	1 0.6 1	0.0
MEAN	1:	1.84	1.64 CD		2.39 BC	1.78	1.91	1.63	1.80	1.78	1.94	1.56	1.69	1.58	1.81	1.99 P	1.68	1.67	1.54

NEEA Consumer Lighting Survey (3321)
A3. How much do you disagree or agree with the following statement... It is worth it to me for my household to use less energy in order to help preserve the environment

BASE: Total respondents

	=	=====		====== ATEGORY		======	======		=== BAN	NER 1 =	=====	:=====:			====== RECENT	STORE		REPLACI	
				 Aware		REG	ION					1ST PUI	RCHASE		CHASE			CFL W/O	
			Pur-	Non- Pur-	Un-	 East	West		STA			In	Before	In	Before	Drug/ Hard-			Un-
			chaser	chaser	aware	of I5		ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
Total	C%	560 100.0 560	100.0	167 100.0 200	100.0	100.0	271 100.0 273	63 100.0 63	60 100.0 56	162 100.0 163	275 100.0 278	89 100.0 61	213 100.0 145	183 100.0 125		100.0	294 100.0 280		19 100.0 13
1 - Strongly disagree	C%	36 6.4 37	5.9	7.5	6.4	4.4	8.7 23	2 3.7 2	5 7.9 5	7 4.6 7	22 7.9 23	7 8.2 5	12 5.5 8	12 6.4 8	4.2	6.4	6.5	6.3	
2	C%	27 4.8 31	12 3.6 8 D	5.0 10	9.3	3.5 11	6.1	3 5.0 3	1 2.4 1	13 7.8 14 J	9 3.4 13 I	1 1.6 1	10 4.8 7	7 4.0 5	4.2	5.0		3.4	0.0
3	С%	55 9.8 59	25 7.7 17	13.0	11.4	10.7	8.8	5 8.2 7	4 7.3 3	14 8.8 18	31 11.2 31	3 3.3 2	18 8.3 12	15 8.0 10	5.6	10.3	7.9	7.4	
4	C%	72 12.9 78	10.0	18.0 36	14.3 20	10.6	15.4	8 12.1 8	8 13.3 10	18 10.9 19	39 14.2 41	4 4.9 3	26 12.4 18	13 7.2 9	15.5	15.9	31 10.5 33	7.4	23.1 3
5 - Strongly agree	C%	364 65.0 348		56.5 113	55.7 78	69.7 191	60.0 157	43 68.7 42	40 65.8 35	108 67.0 104	173 62.8 167	73 82.0 50 L	142 66.9 97 K	135 73.6 92	67.6	62.1	70.4	74.4	9 46.2 6
Don't know	C%	6 1.1 7	1.4	0.0	2.9 4	1.2	1.1	2.3 1	3.3 2	1 0.9 1	2 0.5 3	0.0	2.1 3	0.8 1	2.8	0.3	0.5	1.1	7.7
MEAN	:	4.27	4.39 CD	4.11 B		4.39 F	4.13 E	4.40	4.31	4.29	4.21	4.51	4.33	4.39	4.42	4.23	4.35	4.42	4.25

A4. How much do you disagree or agree with the following statement... When considering purchasing appliances or other equipment, I typically consider both the price and the operating costs, not just the price

BASE: Total respondents

	=	=====	C	ATEGORY		=====	======	======	=== BAN	NER 1 =	=====			MOST I	RECENT	STORE	TYPE	REPLACE	2
				Aware Non-		REG	ION		STA	TE		1ST PU	RCHASE		CHASE		All	ON BURN	TUOIT
			Pur- chaser B				West of I5 F	ID G	MT	OR I	WA	2005	Before 2005 L	2005	2005		stores	Likely	- 4
Total	C%	560 100.0 560	323 100.0 220	167 100.0 200	71 100.0 140	289 100.0 287	271 100.0 273	63 100.0 63	60 100.0 56	162 100.0 163	275 100.0 278	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	196 100.0 203	294 100.0 280	258 100.0 176	19 100.0 13
1 - Strongly disagree	C%	39 6.9 44	18 5.5 12 D	13 7.5 15	9 12.1 17 B		21 7.8 24	2 3.5 3	7.1 4	10 6.0 9	23 8.2 28		9 4.1 6	9 4.8 6	6 5.6 4	7.1	18 6.3 20		0.0
2	C%	14 2.5 18	3 0.9 2 CD	8 4.5 9 B	4 5.0 7 B	1.4 5	10 3.6 13	1 0.8 1	0.0	5 3.3 6	8 3.0 11	1.6	0.7	0.8 1	1 1.4 1	2.8	8 2.6 10	0.6 1	0.0
3	C%	71 12.7 75	41 12.7 28	16 9.5 19 D	14 20.0 28 C	13.8 38	31 11.5 37	9 14.4 9	10 16.0 7	19 12.1 22	33 11.9 37	7 8.2 5	31 14.5 21	16 8.8 11 N	22 21.1 15 M	8.9 20	40 13.8 38	28 10.8 19	7 38.5 5
4	C%	90 16.0 100	38 11.8 26 CD	36 21.5 43 B	16 22.1 31 B	15.5 51	45 16.5 49	5 7.9 6 H	14 22.8 15 G	28 17.1 31	43 15.7 48	9 9.8 6	26 12.4 18	19 10.4 13	13 12.7 9	15.5	44 15.1 46	29 11.4 20	0.0
5 - Strongly agree	C%	338 60.4 313	220 68.2 150 CD	92 55.0 110 BD	27 37.9 53 BC		162 59.9 147	43 67.9 41	32 52.7 29	99 61.2 94	165 59.9 149	65 72.1 44	142 66.9 97	136 74.4 93 N	60 57.7 41 M	64.7 119	178 60.6 161	185 71.6 126	12 61.5 8
Don't know	C%	8 1.5 10	3 0.9 2	3 2.0 4	2 2.9 4	6 2.2 7	0.7 3	3 5.5 3 IJ	1 1.4 1	1 0.3 1 G	4 1.3 5 G		3 1.4 2	0.8 1	1.4 1.4	0.9	5 1.7 5	0.6 1	0.0

		=====	C	ATEGORY			======	======	=== BAN	NER 1 =	=====			MOST I	RECENT	STORE	TYPE	REPLACE	2
				Aware Non-		REG	ION		STA	TE		1ST PUI	RCHASE		CHASE		All	ON BURN	TUOIT
			Pur- chaser					ID	MT	OR	WA	In 2005	Before 2005	2005	2005		stores	Likely	
		A	B	0	р	E	F	G	н	1		K		M	N	0	P	Q	K
Total	C%	560 100.0 560	100.0	167 100.0 200	71 100.0 140	100.0	271 100.0 273	63 100.0 63	60 100.0 56	162 100.0 163	275 100.0 278	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	196 100.0 203	294 100.0 280	258 100.0 176	19 100.0 13
Mobile home	C%	36 6.5 39	5.9	10 6.0 12	10.0	7.7	5.1	4 6.1 5	2 3.8 2	11 6.9 12	19 6.8 20	3 3.3 2	15 6.9 10	10 5.6 7	7.0	8.4	18 6.1 20	13 5.1 9	7.7 1
Single-family or detached)		422 75.4 413	79.1	118 71.0 142	49 69.3 97 B	217	197 72.7 196	52 82.8 50	50 83.8 45	120 74.0 120	201 72.8 198	69 77.0 47	169 79.3 115	145 79.2 99	81 77.5 55	134 68.3 141 P	237 80.6 217 0	211 81.8 144	13 69.2 9
Apartment	C%	61 10.9 68	7.7	27 16.0 32 B		9.0	13.0	4 6.1 5	4 7.4 5	20 12.5 19	33 11.8 39	13 14.8 9 L	12 5.5 8 K	13 7.2 9		32 16.1 32 P	23 7.8 27 0	19 7.4 13	3 15.4 2
Condo	C%	15 2.8 14	3.2	2.5 5	1.4	1.7	3.9	0.0	1 2.4 1	2.8 5	10 3.4 8	1 1.6 1	9 4.1 6	6 3.2 4		4.8	5 1.6 4 0	1.7 3	7.7 1
Other	C%	21 3.8 22	3.6	7 4.0 8	4.3	3.0	4.7	3 5.0 3	1 1.7 2	6 3.5 6	12 4.2 11	3 3.3 2	7 3.4 5	7 4.0 5	3 2.8 2	2.1	10 3.3 10	9 3.4 6	0.0
Refused	C%	3 0.6 4	0.5	1 0.5 1	1 1.4 2	0.7	0.5	0.0	0.8 1	1 0.3 1	2 0.8 2	0.0	0.7 1	1 0.8 1	0.0	1 0.3 1	2 0.7 2	0.6 1	0.0

NEEA Consumer Lighting Survey (3321) D2. Do you own your home or do you rent? BASE: Total respondents

	-	=====		ATEGORY	======			======	=== BAN	NER 1 =				MOST F		STORE		REPLACE	
				Aware Non-		REG:	ION		STA	TE		1ST PUF	CHASE		CHASE	Groc./		ON BURN	TUOIT
	-	Total	Pur- chaser	Pur- chaser	Un- aware	East of T5	West of I5	ID	 MT	OR	WA	In 2005	Before 2005	In 2005		Hard-		Likely	Un- likely
							F												
Total		560	323	167	71	289	271	63	60	162	275	89	213	183	104	196	294	258	19
	C%	100.0 560	100.0 220	100.0 200	100.0 140	100.0 287	100.0 273	100.0	100.0 56	100.0 163	100.0 278	100.0	100.0 145	100.0 125	100.0 71	100.0 203	100.0 280	100.0 176	100.0
Own	C%	443 79.1 434	268 83.2 183 C	121 72.5 145 B	54 75.7 106	239 82.9 234 F	203 75.0 200 E	55 86.9 55	52 86.2 46	123 76.3 125	213 77.3 208	67 75.4 46	183 86.2 125	152 83.2 104	87 83.1 59		244 83.0 227 O	220 85.2 150	16 84.6 11
Rent	C%	106 19.0 114	50 15.5 34 C	41 24.5 49 B	16 22.1 31	44 15.1 46 F	63 23.1 68 E	8 13.1 8	7 11.6 8	35 21.9 35	56 20.2 63	22 24.6 15 L	26 12.4 18 K	29 16.0 20	16 15.5 11		47 15.9 49 0	37 14.2 25	3 15.4 2
Don't know	C%	6 1.1 6	3 0.9 2	3 1.5 3	1 0.7 1	3 1.0 4	3 1.1 2	0.0	1 1.4 1	1 0.9 1	1.3 4	0.0	1 0.7 1	0.0	1 1.4 1	4 2.0 4 P	1 0.2 1 0	0.0	0.0
Refused	C%	5 0.9 6	1 0.5 1	3 1.5 3	1 1.4 2	3 1.0 3	2 0.8 3	0.0	1 0.8 1	1 0.8 2	3 1.1 3	0.0	0.7 1	0.8 1	0.0		3 1.0 3	1 0.6 1	0.0

	=	=====	C	ATEGORY			======	======	=== BAN	INER 1 =		1ST PUI		MOST 1	===== RECENT CHASE	STORE	TYPE	REPLACI	Ξ
				Aware Non-		REG	ION		STA	TE								ON BURN	TUON
			chaser		aware	of I5	West of I5 F	ID	MT	OR	WA	2005	2005	2005	2005	Hard- ware	other stores	Likely	
	_	A	B		D	E		G	н	1	0	ĸ	L	M	M	0	P	Q	K
Total	C%	560 100.0 560		100.0	100.0	100.0	100.0	63 100.0 63	60 100.0 56	162 100.0 163	275 100.0 278	89 100.0 61		183 100.0 125	100.0	100.0	294 100.0 280	258 100.0 176	19 100.0 13
1	C%	118 21.0 119	67 20.9 46	20.5	22.9	22.3	19.7	16 25.7 16	14 22.9 12	34 21.2 36	54 19.4 55	21 23.0 14	20.0	32 17.6 22	25.4	25.2	51 17.3 48 O	21.0 37	3 15.4 2
2	C%	213 38.0 205	128 39.5 87 D	39.0 78	28.6 40	35.3 95	40.9	21 33.8 19	21 35.5 20	61 38.0 61	109 39.5 105	40 44.3 27	75 35.2 51	73 40.0 50	36.6	38.5	107 36.3 96	38.6	9 46.2 6
3	C%	88 15.6 91	47 14.5 32	16.5	18.6	16.8	14.4	14 21.9 15	7 12.1 8	23 14.5 24	43 15.7 44	12 13.1 8	15.9	31 16.8 21	8.5	12.6	54 18.5 53	17.0	
4	C%	74 13.2 75	13.6	11.0	16.4	14.4	11.9	5 8.1 5	8 13.4 7	26 16.0 27	35 12.7 36	10 11.5 7	15.2	28 15.2 19		13.5	42 14.2 39	35 13.6 24	
5	C%	33 5.9 33	5.9	6.0	5.7	5.6	6.3	3 4.5 3	6 10.1 5	8 5.2 7	16 5.8 18	6 6.6 4	6.2	10 5.6 7	7.0	5.3	19 6.4 20		15.4
6	C%	13 2.4 16	1.4	3.5	4.3	3.4	1.2	4 6.1 5 I	3.8 2	1 0.5 1 G	6 2.3 8	0.0	2.1	0.0 0.0 0	4.2	1.3	10 3.4 12	0.6	0.0
7 or more	C%	12 2.1 11	2.3	2.0	1.4	1.3	3.0	0.0	1 1.4 1	5 3.4 5	5 2.0 5	1 1.6 1	2.8	6 3.2 4	1.4	1.9	7 2.4 7	2.3	7.7

NEEA Consumer Lighting Survey (3321)
D3. Including yourself, how many people live in your home?
BASE: Total respondents

		=====	====== C	===== ATEGORY		======	======	======	=== BAI	NNER 1 =	=====	======	======		RECENT	STORE		REPLACE	
				Aware	n r- Un- Ea aser aware of		ION		Q.T.			1ST PU			CHASE	Groc./		ON BURN	TUON
		Total A			aware			ID G	STA MT H	OR	WA	In 2005 K	Before 2005 L	2005	2005	Hard- ware		Likely	Un- likely
Refused	C%	10 1.8	6 1.8	3 1.5	2 2.1	3 1.0	7 2.6	0.0	1	2	7	0.0	6 2.8	3 1.6	3 2.8	3	4 1.4	4 1.7	0
		1.0	4	3	3	3	7	0	1	2	7	0	4	2	2	3	5	3	0

	=	====:	CATEGORY Aware Non- Pur- Pur- Chaser chaser aware BCD			======	======	=== BAN	INER 1 =		1ST PUI		MOST 1	===== RECENT CHASE	STORE	TYPE	REPLACE	1	
				Aware		REG	ION		STA	TE								ON BURN	IOUT
			chaser	chaser	aware			ID	MT	OR I	WA	2005	Before 2005 L	2005	2005		stores	Likely	
Total	C%	560 100.0 560	323 100.0 220	167 100.0 200	100.0	289 100.0 287	271 100.0 273	63 100.0 63	60 100.0 56	162 100.0 163	275 100.0 278	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	196 100.0 203	294 100.0 280	258 100.0 176	19 100.0 13
Some high school	С%	25 4.5 28	12 3.6 8	8 5.0 10	7.1			4 6.8 4	3 4.7 3	10 5.9 10	8 3.1 11	1 1.6 1	10 4.8 7	6 3.2 4	6 5.6 4	7 3.7 8	13 4.3 13	10 4.0 7	0.0
High school graduate	С%	91 16.2 95	45 14.1 31	33 19.5 39	17.9	51 17.8 55	14.5	12 19.4 12	8 13.1 8	31 19.3 33	39 14.3 42	12 13.1 8	32 15.2 22	31 16.8 21	10 9.9 7	26 13.1 33	52 17.6 48	40 15.3 27	3 15.4 2
Trade or technical school	C%	39 7.0 39	25 7.7 17	8 5.0 10	8.6	8.3	5.7	6 9.7 7	7 12.0 6 J	14 8.6 13	12 4.4 13 H	7 8.2 5	16 7.6 11	12 6.4 8		7.6	22 7.5 20	21 8.0 14	0.0
Some college	C%	147 26.3 147	85 26.4 58	44 26.5 53	25.7		27.6	15 24.3 13	11 18.1 12	45 28.0 45	76 27.6 77	28 31.1 19	54 25.5 37	57 31.2 39	21 19.7 14	49 24.8 50	80 27.1 76	69 26.7 47	6 30.8 4
College graduate	С%	139 24.9 137	85 26.4 58	37 22.0 44	25.0			15 24.4 15	16 26.6 15	35 21.6 36	73 26.6 71	21 23.0 14	56 26.2 38	45 24.8 31	31 29.6 21	48 24.2 47	77 26.1 73	62 23.9 42	6 30.8 4
Some graduate school	С%	21 3.8 20	15 4.5 10	4 2.5 5	3.6	5.2		1 2.1 2	1 2.4 1	8 5.2 7	10 3.7 10	4 4.9 3	9 4.1 6	9 4.8 6	4.2	3.9	14 4.7 12		0.0
Graduate degree	C%	75 13.3 71	43 13.2 29 D	28 16.5 33 D	6.4 9	11.5 33	15.3	7 11.6 8	10 17.4 8	14 8.6 13 J	43 15.6 42 I	13 14.8 9	28 13.1 19	19 10.4 13	18 16.9 12	34 17.4 32 P	30 10.2 30 O	32 12.5 22	3 15.4 2

	==	====	======						=== BAN	NER 1 =					======		======		
			C	ATEGORY										MOST	RECENT	STORE	TYPE	REPLACE	E
						DEG	TON					1ST PU	RCHASE		CHASE			CFL W/C	
				Aware Non-		REG			STA	TE						,	All	ON BURN	
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-
		tal	chaser				of I5	ID	MT	OR	WA	2005	2005	2005		ware			
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Don't know		7	6	0	1	5	1	1	3	1	3	1	3	1	. 3	4	3	6	0
C	78	1.2	1.8	0.0	1.4	1.9	0.5	0.8	4.9	0.3	1.1	1.6	1.4	0.8	2.8	2.0	1.0	2.3	0.0
		6	4	0	2	5	1	1	2	1	2	1	2	1	. 2	4	2	4	0
									IJ	Н	Н								
Refused		15	7	5	3	6	9	1	1	4	11	1	4	3	3	6	4	4	1
C	78	2.7	2.3	3.0	4.3	2.2	3.3	0.8	0.8	2.4	3.8	1.6	2.1	1.6	2.8	3.2	1.5	1.7	7.7
		17	5	6	6	7	10	1	1	5	10	1	3	2	2	6	6	3	1

NEEA Consumer Lighting Survey (3321) Q5B. Which of the following best describes your age group? BASE: Respondents who only have 1 person living in household

	:		CZ	ATEGORY		=====	======	======	=== BAN	NER 1 =				MOST I	RECENT	STORE	TYPE	REPLACI	Ξ
				Aware Non-					STA							Groc./ Drug/	All	ON BURN	TUON
				chaser		East of I5 E	West of I5 F	ID	MT	OR I	WA	2005	Before 2005 L	2005	2005		stores	Likely	Un- likely R
Total	C%	118 100.0 119		100.0	100.0	100.0	100.0	16 100.0 16	14 100.0 12	34 100.0 36			100.0	32 100.0 22	100.0	100.0	51 100.0 48		100.0
19-34	C%	10 8.6 11	4 6.5 3	12.2	9.4	6.2	11.4	0.0	0.0	11.6 4	6 11.4 7	7.1 1	6.9	3 9.1 2	5.6	5.7	6 11.0 6		
35-54	C%	30 25.5 32		31.7	28.1	24.9	26.3	3 17.4 3		6 17.3 6		7.1 1	24.1	3 9.1 2	22.2	34.7		12 21.6 8	
55-64	C%	28 23.9 24	32.6	4 12.2 5 B	12.5 4		21.8	3 21.3 3		10 29.2 9		28.6		12 36.4 8		20.2	32.8	19 35.1 13	50.0
65 and over	C%	46 39.3 49	25 37.0 17			40.7	37.7	10 61.3 10	5 37.1 5	14 42.0 17	17 31.7 17	57.1	27.6	15 45.5 10		36.0			50.0
Refused	C%	3 2.7 3	2.2	4.9	0.0	2.6	2.7	0.0	0.0	0 0.0 0	3 5.8 3	0.0	3.4	0.0		3.4	2.9	0.0	0.0

		=====		===== ATEGORY		======		======	=== BAN	NER 1 =	=====			MOST I		STORE		REPLACI	
												1ST PU	RCHASE		CHASE				
				Aware Non-		REG	ION		STA	TE						,	All	ON BURI	
			Pur-	Pur-	Un-	East	West					In	Before			Hard-		- 11	Un-
					aware		of I5 F	ID G	MT H	OR I	WA J	2005 K	2005 L	2005 M					likely
_																			
Total	C%	432 100.0		130 100.0			211 100.0	47 100.0	46 100.0	125 100.0	214 100.0	69 100.0		148 100.0	75 100.0		239 100.0	199 100.0	16 100.0
		431	170	156			210	47	43	125	216	47		101	51	148	227	136	
None		348	214	98	36	178	170	33	37	102	176	59	141	126	66	117	189	172	15
	С%	80.6 335	85.9 146	75.6 118	67.6 71		80.9 164	71.3	81.3	81.1 99	82.1 169	85.1 40		85.1 86	88.2 45		79.2 173	86.0 117	
		333	CD				104	32	33	99	109	40	90	00	45	11/	1/3	11/	10
1		53		22				5	6	16	26	7		13			30	15	
	C%	12.2 63	7.6 13	16.7 26			13.6 32	10.0	13.7 6	12.8 19	12.1 32	10.6 5		8.9	3.9		12.5 34	7.4	
			CD	В	В														
2		22	10					6	1	6	8	3		7	3		15	9	
	С%	5.0 24	4.1				3.6 10	13.4	1.8	5.0	3.9 11	4.3		5.0	3.9		6.1 15	4.4	9.1
								HJ	G		G								
3		2	0	2		1	2	1	0	0	2	0		0	0	1	2	0	
	С%	0.5	0.0	1.3			0.8	1.1	0.0	0.0	0.8	0.0		0.0	0.0	0.4	0.7	0.0	0.0
Refused		7	6			5		2	1	1	2	0		1			3	4	
	C%	1.7 6	2.4		1.0	2.2	1.1	4.2	3.2	1.2	1.1	0.0		1.0	3.9 2		1.4	2.2	

NEEA Consumer Lighting Survey (3321) D5B. How many people usually live in this home...6-18? BASE: Households with more than 1 person living there

	=	=====		====== ATEGORY	======	======	======	======	=== BAN	NER 1 =	======	======	======		====== RECENT	STORE		REPLACE	
				 Aware Non-		REG:	ION		STA	Tre			RCHASE			Groc./		ON BURN	OUT
				Pur- chaser		East of I5	West of I5	ID	 MT	OR	WA	2005		2005	2005	Hard- ware	other stores	Likely	Un- likely
Total	C%	432 100.0 431	100.0	130 100.0 156	53 100.0 105	221 100.0 221	211 100.0 210	47 100.0 47	46 100.0 43	125 100.0 125	214 100.0 216	69 100.0 47	164 100.0 112	148 100.0 101	75 100.0 51	143 100.0 148	239 100.0 227	199 100.0 136	16 100.0 11
None	C%	276 63.8 274	157 62.9 107	88 67.3 105	31 59.0 62	132 59.4 128	144 68.3 146	28 59.2 26	24 52.7 23	82 65.6 83	142 66.1 142	48 70.2 33	97 58.9 66	92 62.4 63	44 58.8 30	96 66.9 100	143 59.8 134	64.0	12 72.7 8
1	C%	67 15.5 67	43 17.1 29	13 10.3 16 D	11 21.0 22 C	43	27 12.9 24	10 22.3 11	8 18.0 8	20 15.8 19	28 13.3 29	16 23.4 11	25 15.2 17	32 21.8 22	9.8	18 12.9 20	44 18.6 41		9.1 1
2	C%	54 12.6 57	28 11.2 19				10.3	6 12.1 6	7 16.1 7	11 8.7 12	30 14.1 32	3 4.3 2	25 15.2 17	13 8.9 9	15 19.6 10	22 15.3 21		10.3	9.1 1
3	С%	21 4.8 19	13 5.3 9	4.5	2 2.9 3	4.4	5.1	1 1.1 1	8.2 3	8 6.2 7	9 4.0 8	1 2.1 1	10 6.3 7	6 4.0 4	7.8		7.4	5.1 7	9.1
4	C%	4 0.9 5	0 0.0 0 C	3 2.6 4 B	1 1.0 1	1.4	0.4	1 1.1 1	1 1.8 1	0.7 1	0.8 2	0.0	0.0	0.0	0.0	1 0.9 2	0.7	0.0	0.0
5	C%	4 0.9 3	3 1.2 2	0.6	0.0		1.8	0.0	0.0	1.8 2	1 0.7 1	0.0	3 1.8 2	3 2.0 2	0.0		1.0	1.5	0.0
Refused	C%	7 1.7 6	2.4	0.6	1 1.0 1	2.2		2 4.2 2	1 3.2 1	1 1.2 1	2 1.1 2	0.0	4 2.7 3	1 1.0 1	3.9	2.0	1.4	2.2	0.0

NEEA Consumer Lighting Survey (3321) D5C. How many people usually live in this home...19-34? BASE: Households with more than 1 person living there

	=	=====			======	======			=== BAN	NER 1 =						======			
			C	ATEGORY										MOST 1	RECENT	STORE	TYPE	REPLACI	E
				Aware		REG										Groc./		ON BURI	
			Pur-	Non- Pur-	IIn-		West		STA			Tn	Refore	Tn	Refore	Drug/ Hard-			Un-
			chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likely
	-	-A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total		432	249	130	53	221	211	47	46	125	214	69	164	148	75	143	239	199	16
	С%															100.0			
		431	170	156	105	221	210	47	43	125	216	47	112	101	51	148	227	136	11
None		297						34	31	80	152	45	116	101					
	C%	68.8 292		69.2 108				72.8	68.2 30	64.0 81	70.8 147	66.0 31	70.5 79	68.3 69			69.2 149		
		292	119	100	03	130	142	34	30	01	147	31	13	09	30	104	149	93	0
1	~^	64						5	7	22	31	15	23	28					3
	CA	14.8 63				15.3 31		10.9 5	14.6 5	17.2 21	14.3 32	21.3 10	14.3 16	18.8 19			14.9 37		18.2 2
2		57						5	6	20	26	7	19	16			31		
	C%	13.1 61						10.9 5	12.9 6	15.8 20	12.0 30	10.6 5	11.6 13	10.9 11					0.0
3	~ 0	4		_				1	1	1	2	0	0	0	-	_	2		0
	C%	0.9						1.1	1.1	0.7	0.9	0.0	0.0	0.0			0.6		0.0
			D		В														
4	~ 0	1						0	0	1	0	0	1	0			1		
	C%	0.3						0.0	0.0	1.2	0.0	0.0	0.9	0.0			0.6 1		
6	~ 0	2						0	0	0	2	1	0	1					
	C%	0.5						0.0	0.0	0.0	0.9	2.1	0.0	1.0					
Refused	a.	7						2 4.2	1	1 1.2	2 1.1	0	4						
	C&	1.7 6						4.2	3.2	1.2		0.0		1.0					

NEEA Consumer Lighting Survey (3321) D5D. How many people usually live in this home...35-54? BASE: Households with more than 1 person living there

	=								=== BAN	NER 1 =									
				ATEGORY								1ST PUF	CHASE	MOST F	RECENT	STORE		REPLACE CFL W/C	
				Aware		REG	ION											ON BURN	
				Non-					STA							Drug/			
		Total	Pur- chaser		Un-	East	West	ID	MT	OR	WA	In 2005	Before 2005	In 2005	Before	Hard- ware	other		Un-
							F												
Total		432	249	130	53	221	211	47	46	125	214	69	164	148	75	143	239	199	16
	C%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		431	170	156	105	221	210	47	43	125	216	47	112	101	51	148	227	136	11
None		193	109	61	2.4	94	0.0	22	17	54	101	26	75	62	2.5	70	98	84	6
None	C%	44.7	43.5	46.8	24 44.8	42.3		46.7	36.7	43.0	46.9	38.3	45.5	63 42.6	35 47.1	70 49.1	41.0	41.9	6 36.4
		194	74	73	47	96	98	22	18	53	101	18	51	43	24	75	93	57	4
1		72	4.4	20	0	41	2.0	7	1.0	21	2.2	1.2	20	20	0	٥٢	2.0	27	2
1	C%	73 16.9		20 15.4	9 17.1	41 18.3	32 15.4	7 15.6	12 26.4	21 16.4	33 15.4	13 19.1	28 17.0	32 21.8	9 11.8	25 17.7	38 15.9	37 18.4	3 18.2
		72		24	18	39	33	8	10	21	33	9	19	22	6	24	38	25	2
2		158	91	48	20	82	76	16	15	49	78	29	57	51	28	45	99	75	7
2	C%	36.6		36.5	37.1	37.2		33.5	33.7	39.5	36.2	42.6	34.8	34.7	37.3	31.2	41.3	37.5	45.5
		158		57	39	82		15	14	50	79	20	39	35	19	47	92	51	5
																P	0		
3		1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0
	С%			0.6	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
		1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0
Refused		7	6	1	1	5	2	2	1	1	2	0	4	1	3	3	3	4	0
	C%			0.6	1.0	2.2		4.2	3.2	1.2	1.1	0.0	2.7	1.0	3.9	2.0		2.2	0.0
		6	4	1	1	4	2	2	1	1	2	0	3	1	2	2	3	3	0

NEEA Consumer Lighting Survey (3321) D5E. How many people usually live in this home...55-64? BASE: Households with more than 1 person living there

		=====		ATEGORY		=====:	======	======	=== BAN	NER 1 =		1ST PUI		MOST F		STORE	TYPE	REPLACI	
				Aware Non-		REG			STA							Groc./ Drug/	All	ON BURN	NOUT
			Pur- chaser B				West of I5 F	ID	MT	OR I	WA	In 2005 K	Before 2005 L	2005		ware			
Total	C%	424 100.0 425	240 100.0 164	100.0	53 100.0 105	100.0	208 100.0 208	44 100.0 45	44 100.0 42	125 100.0 125	210 100.0 213	69 100.0 47	155 100.0 106	145 100.0 99	69 100.0 47		231 100.0 222	192 100.0 131	15 100.0 10
None	C%	302 71.4 314	160 66.5 109 D	76.3 119	43 81.9 86 B	68.2 156	155 74.7 158	29 66.9 31	27 60.5 27 I	101 81.0 102 HJ	145 69.0 154 I	47 68.1 32	104 67.0 71	101 69.7 69	40 57.4 27	69.4	174 75.1 171	128 66.4 87	10 70.0 7
1	C%	52 12.4 49	35 14.6 24	9.0	6 10.5 11	31 14.5 28	21 10.2 21	7 16.2 7	10 23.3 9 IJ	11 8.5 11 H	24 11.6 22 H	10 14.9 7	22 14.2 15	15 10.1 10 N	16 23.4 11 M	13.6 19	26 11.4 23	29 15.3 20	1 10.0 1
2	С%	61 14.3 55	40 16.5 27 D	13.5 21	4 6.7 7 B	32 15.0 29		5 12.4 5	6 12.9 5	12 9.3 11 J	38 18.0 34 I	12 17.0 8	25 16.0 17	28 19.2 19	10 14.9 7	15.0	27 11.6 24	31 16.0 21	3 20.0 2
3	C%	0.2 1	0.0	0.6	0.0	0.0	0.4	0.0	0.0	0.0	0.4 1	0.0	0.0	0.0	0.0	0.0	1 0.4 1	0.0	0.0
Refused	C%	7 1.7 6	6 2.4 4	0.6	1 1.0 1	2.3	2 1.1 2	2 4.5 2	1 3.3 1	1 1.2 1	2 1.1 2	0.0	4 2.8 3	1 1.0 1	3 4.3 2	2.1	3 1.5 3	4 2.3 3	0 0.0 0

		====	C.	ATEGORY		====			-== BAN	ичк т =		1ST PUI		MOST 1	RECENT CHASE	STORE	TYPE	REPLACE CFL W/C	2
				Aware Non-		REG:	ION		STA	TE								ON BURN	TUOIT
						of I5	West of I5 F	ID G	MT	OR	WA	2005	Before 2005 L	2005	2005	Hard- ware 0	stores	Likely	likely
Total	C%	421 100.0 423	100.0	129 100.0 155		100.0	208 100.0 208	44 100.0 45	43 100.0 41	125 100.0 125	209 100.0 212	69 100.0 47	154 100.0 105	144 100.0 98	100.0		230 100.0 221	191 100.0 130	15 100.0 10
None	C%	330 78.3 336	74.8		80.0 84	79.8	160 76.7 162	35 79.3 36	34 78.9 32	98 78.5 99	163 77.8 169	60 87.2 41 L	109 70.5 74 K	116 80.6 79	45 66.0 31	73.1	184 80.0 182	145 76.2 99	12 80.0 8
1	C%	32 7.7 29	23 9.8 16	4.5	5.7	7.3	17 8.1 16	2 5.3 2	2 4.6 2	7 5.4 7	21 10.2 18	6 8.5 4	15 9.5 10	9 6.1 6		10.8	15 6.4 12	18 9.2 12	1 10.0 1
2	C%	51 12.2 51	12.9	10.3	13.3	10.7	28 13.7 27	5 10.9 5	6 13.1 6	19 15.0 18	22 10.5 22	3 4.3 2 L		18 12.2 12	10 14.9 7	13.4		23 12.3 16	1 10.0 1
3	C%	0.2	0.0	0.6 1	0.0	0.0	0.4 1	0.0	0.0	0.0	0.4 1	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Refused	C%	1.7	6 2.5	0.6	1.0	5 2.3	2	2 4.5	1 3.4	1.2	2	0.0	2.9	1.0	3 4.3		3 1.5	2.3	0.0

NEEA Consumer Lighting Survey (3321)
D6. Lastly, which of the following categories contains your annual household income from all sources in 2004 before taxes?
BASE: Total respondents

	=	=====	C.	====== ATEGORY		======	======	======	=== BAN	NER 1 =		1ST PUF		MOST I		STORE	TYPE	REPLACI	2
				Aware Non-		REG	ION		STA	TE						Groc./		ON BURI	TUOIT
				Pur- chaser				ID	MT	OR	WA	2005	Before 2005	2005	2005	ware		Likely	-
			2	C	2	-	-	J		-	Ü	20		••		Ü	-	×	
Total	C%	560 100.0 560	323 100.0 220	167 100.0 200		289 100.0 287	271 100.0 273	63 100.0 63	60 100.0 56	162 100.0 163	275 100.0 278	89 100.0 61	213 100.0 145	183 100.0 125	104 100.0 71	196 100.0 203	294 100.0 280	100.0	19 100.0 13
Less than \$20,000 per year	C%	66 11.7 72	9.5		12 16.4 23		36 13.4 39	10 16.1 11	7 11.8 7	22 13.8 23	26 9.6 31	12 13.1 8	18 8.3 12	16 8.8 11	12 11.3 8	11.9	35 11.8 35	10.2	0.0
\$20,000 to \$49,000	C%	149 26.6 142	91 28.2 62 D	27.0 54	13 18.6 26 B	75	66 24.5 67	13 20.2 13	22 35.8 19	43 26.6 43	72 26.1 67	32 36.1 22	59 27.6 40	54 29.6 37	31 29.6 21	62 31.8 61	75 25.6 68	27.8	9 46.2 6
\$50,000 to \$74,000	C%	101 18.0 105	57 17.7 39	16.0	17 24.3 34	51 17.5 53	50 18.6 52	13 20.9 12	13 21.3 12	28 17.4 29	47 17.0 52	21 23.0 14	34 15.9 23	32 17.6 22	19 18.3 13	34 17.1 34	54 18.5 56	17.6	0 0.0 0
\$75,000 to \$99,000	C%	45 8.1 46	25 7.7 17	8.5	6 8.6 12	8.7	20 7.3 19	7 11.6 8	2 3.8 2	17 10.7 17	18 6.6 19	3 3.3 2	19 9.0 13	15 8.0 10	7 7.0 5	7.2	24 8.3 22	8.5	7.7 1
\$100,000 or more	C%	40 7.1 39	25 7.7 17	6.0	5 7.1 10	7.9	17 6.4 17	3 5.0 3	7.1 4	9 5.6 9	24 8.5 23	7 8.2 5	16 7.6 11	15 8.0 10	6 5.6 4		30 10.3 28 0	9.1 16	7.7 1
Don't know	C%	30 5.3 33	13 4.1 9	7.0	5 7.1 10	5.1	15 5.5 17	6 10.2 5 H	0 0.0 0 GI	11 6.7 13 H	13 4.6 15	4 4.9 3	7 3.4 5	9 4.8 6	3 2.8 2	6.0	14 4.7 14	4.0	0.0
Refused	C%	129 23.1 123	81 25.0 55	21.5	13 17.9 25	63 21.9 61	66 24.2 62	10 16.0 11	12 20.3 12	31 19.2 29	76 27.5 71	10 11.5 7 L	60 28.3 41 K	43 23.2 29	26 25.4 18		61 20.8 57	22.7	7 38.5 5

		=====	======	======	======	======	======	======	=== BAN	NER 1 =	======			======		======	======	======	======
			C	ATEGORY										MOST 1	RECENT	STORE	TYPE	REPLACI	Ε
												1ST PU	RCHASE	PUR	CHASE			CFL W/C	CFL
				Aware		REG:	ION									Groc./		ON BURI	TUON
				Non-					STA	TE						Drug/	All		
			Pur-	Pur-	Un-	East	West					In	Before	In	Before	Hard-	other		Un-
		Total	chaser	chaser	aware	of I5	of I5	ID	MT	OR	WA	2005	2005	2005	2005	ware	stores	Likely	likelv
		A					F												
																		*	
Total		560	323	167	71	289	271	63	60	162	275	89	213	183	104	196	294	258	19
10001	୯୫	100.0						100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				100.0
	C 0	560						63	56	163	278	61	145	125					
		500	220	200	110	207	273	03	50	103	270	01	113	123	, -	203	200	170	13
Male		232	136	63	33	120	112	25	21	68	118	22	103	75	47	86	121	117	4
naic	C%							40.4	34.4	41.9	43.0	24.6		40.8					
	C-8	234						26	18	72	118	15		51	32		117	80	3
		234	93	/5	00	110	110	20	10	12	110			31	32	00	11/	80	3
												L	K						
E-m-1-		220	100	104	27	1.00	150	27	20	0.4	1 - 7	67	110	100	F 7	110	177	1 / 1	1 -
Female	~^	328						37	39	94	157	67	110	109			173		15
	C%							59.6	65.6	58.1	57.0	75.4		59.2					76.9
		326	127	125	74	169	157	37	38	91	160	46		74	39	115	163	96	10
												L	K						

E.2 BANNER 2

FUTURE PURCHASE CFL			=====							== BANN	ER 2 ===	=====								
Total Init— change ————————————————————————————————————				FUTU	RE PURC	HASE	CFL						HOME EI	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE A	AND
Total Likely likely Likely -led -led CFLs CFLs CFLs CFLs CFLs CFLs CFLs CFLs							INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT:	E COST
Total Total Series Store					Init-	Change					MOST RE	CENT								
Total Likely likely Likely -led -led CFLs CFLs Yes No cerned cerned busy busy it it it sider sider -ABCDEFGHIJKLMNNOPQRRRRRR				Init-	ially	Unlike		Not		Not	PURCHAS	EΕ		Not		Not		Not		Not
Total C* 100.0 10				-															Con-	con-
Total 20				-	-	-									-	2				
C\$ 100.0 100			A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
C\$ 100.0 100																				
East of I5 C* 100.0 100.0	Total		560	340	194	51	280	43	164	110	84	214	142	415	142	410	491	63	499	53
East of I5 289 177 95 25 154 16 92 59 38 120 71 217 71 215 263 23 261 22 287 162 108 25 105 11 63 40 26 82 84 202 81 202 259 25 255 255 255 255 255 255 255 255		С%	100.0	100.0			100.0	100.0										100.0	100.0	100.0
C\$ 51.5 52.2 48.9 48.6 55.0 37.9 56.3 53.3 45.6 56.2 50.0 52.4 49.7 52.4 53.5 36.1 52.2 41.2 287 162 108 25 105 11 63 40 26 82 84 202 81 202 259 25 255 25			560	314	217	51	191	29	112	75	57	146	160	396	161	389	485	68	488	62
C\$ 51.5 52.2 48.9 48.6 55.0 37.9 56.3 53.3 45.6 56.2 50.0 52.4 49.7 52.4 53.5 36.1 52.2 41.2 287 162 108 25 105 11 63 40 26 82 84 202 81 202 259 25 255 25 P O O S S S S S S S S S S S S S S S S S																				
C\$ 51.5 52.2 48.9 48.6 55.0 37.9 56.3 53.3 45.6 56.2 50.0 52.4 49.7 52.4 53.5 36.1 52.2 41.2 287 162 108 25 105 11 63 40 26 82 84 202 81 202 259 25 255 25 P O O S S S S S S S S S S S S S S S S S			200		0.5	0.5	154		2.0		20	100		01.5		015	0.60	0.0	0.61	0.0
West of I5 287 162 108 25 105 11 63 40 26 82 84 202 81 202 259 25 255 25 West of I5 271 163 99 26 126 26 72 51 45 94 71 198 71 195 228 40 239 31 C* 48.5 47.8 51.1 51.4 45.0 62.1 43.8 46.7 54.4 43.8 50.0 47.6 50.3 47.6 46.5 63.9 47.8 58.8 273 152 109 26 86 18 49 35 31 64 76 194 80 187 226 43 233 37	East of 15	~ 0																		
West of I5 271 163 99 26 126 26 72 51 45 94 71 198 71 195 228 40 239 31 C* 48.5 47.8 51.1 51.4 45.0 62.1 43.8 46.7 54.4 43.8 50.0 47.6 50.3 47.6 46.5 63.9 47.8 58.8 273 152 109 26 86 18 49 35 31 64 76 194 80 187 226 43 233 37		C.&																		
West of I5 271 163 99 26 126 26 72 51 45 94 71 198 71 195 228 40 239 31 C* 48.5 47.8 51.1 51.4 45.0 62.1 43.8 46.7 54.4 43.8 50.0 47.6 50.3 47.6 46.5 63.9 47.8 58.8 273 152 109 26 86 18 49 35 31 64 76 194 80 187 226 43 233 37			287	162	108	25	105	11	63	40	26	82	84	202	81	202	259		255	25
C% 48.5 47.8 51.1 51.4 45.0 62.1 43.8 46.7 54.4 43.8 50.0 47.6 50.3 47.6 46.5 63.9 47.8 58.8 273 152 109 26 86 18 49 35 31 64 76 194 80 187 226 43 233 37																	Р	U		
273 152 109 26 86 18 49 35 31 64 76 194 80 187 226 43 233 37	West of I5		271	163	99	26	126	26	72	51	45	94	71	198	71	195	228	40	239	31
		С%	48.5	47.8	51.1	51.4	45.0	62.1	43.8	46.7	54.4	43.8	50.0	47.6	50.3	47.6	46.5	63.9	47.8	58.8
P O			273	152	109	26	86	18	49	35	31	64	76	194	80	187	226	43	233	37
																	P	0		

	-	FUTURE PURCHASE				======			== BANN	ER 2 ===		======				======			
	FUTURE PURCHASE Init- Change												CONSIDE IMPROVE	EMENTS			PRICE A		
	Init- Char Init- ially Unli ially Un- to Total Likely likely Like				Unlike		Not		Not	PURCHAS	SE		Not		Not		Not		Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned		busy	it	it	Con- sider	sider
																		~	
Total	С%	560 100.0	100.0	100.0	51 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	410 100.0		63 100.0	100.0	
		560	314	217	51	191	29	112	75	57	146	160	396	161	389	485	68	488	62
WA	C%	275 49.2	166 48.9		24 48.2										197 48.0		31 49.6	241 48.3	31 58.3
		278	154	108	24	91	15	58	31	31	66	80	195	83	190	239	36	234	39
OR	C%	162 28.9	101 29.7		19 37.5												20 31.8	146 29.3	15 28.5
		163									39			48	113	141		147	15
ID		63 11.2			3 6.6						29				50 12.1		5 8.7	57	
	C4	63	32		4		13.8				13.7 20		11.6 44	13	48	57	5	11.3 56	5.1 4
MT		60	37		4						31		46	17	43		6	55	4
	C%	10.7 56	10.8 32		7.8 4						14.4 21		11.0 40		10.5 38		9.9 6	11.0 51	8.1 4

		=====	====== 117113	===== RE PURC	====== HASE	CFL	======	======	== BANN	ER 2 ===	=====	HOME E		CONSIDE	ER EE	TO USE	LESS	PRICE .	AND
							LATION	CFL S	TORAGE	PROMO D	URING	USAGE		IMPROVE		ENERGY		OPERAT	
			Tnit-		Change Unlike		Not		Not	MOST RE			Not		Not		Not		Not
			ially	-			Instal	Store				Con-		Too		Worth		Con-	con-
		Total	Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
maka 1		5.00	2.40	104	-1	200	42	164	110	0.4	014	140	415	1.40	41.0	401	63	400	
Total	C9	560 100.0								84 100.0	214 100.0				410 100.0		63 100.0	499 100.0	
	C-8	560								57	146				389		68		
Yes		372	237	119	34	238	32	141	92	73	182	84	287	85	284	321	46	340	28
	C%	66.3	69.7	61.4	67.1	84.8	75.9	85.7	84.0	87.7	84.9	59.1	69.2	60.0	69.2	65.4	73.3	68.1	52.8
		306				162	22	96	63	50	124	74			229	263	40	277	
			С	В								L	K	N	M			R	Q
No		178	98	71	15	38	10	21	16	10	31	56	120	55	118	159	17	150	23
	C%	31.8	29.0	36.4	29.6	13.6			14.7	12.3	14.4	39.3	28.9	38.4	28.7	32.5	26.7	30.1	44.4
		243	126	102	15	26	7	14	11	7	21	84			152		28		
												L	K	N	M			R	Q
Don't know		10				4		-		0	1	2			8		0		1
	C%									0.0	0.7						0.0		
		11	4	6	2	3	0	2	1	0	1	2.	9	3	8	11	0	10	1

NEEA Consumer Lighting Survey (3321)

S2. Compact fluorescent light bulbs, or CFLs, are small fluorescent bulbs that fit in regular light bulb sockets. CFLs look different than standard bulbs. They are often made out of thin tubes of glass bent into loops. Have you ever heard of them?

BASE: Respondents who never heard of CFL's

					======				== BANN	ER 2 ===			======						
			FUTU	RE PURC	HASE	CFL						HOME E	NERGY	CONSIDE	R EE	TO USE	LESS	PRICE A	AND
										PROMO D		USAGE		IMPROVE		ENERGY		OPERAT	E COST
					_					MOST RE									
				-	Unlike		Not	~.	Not	PURCHAS		~	Not	_	Not		Not	~	Not
		m - t - 1	ially		to									Too				Con-	
			-	-	Likely					Yes		cerned			busy		it	sider	
		A	B	0	D	E	F	G	H	1		K	P	I _V I	N	0	P	Q	K
Total		188	103	75	17	43	10	23	18	10	32	58	128	57	126	170	17	159	25
	С%	100.0		100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0					100.0	100.0	100.0
		254	130	108	17	29	7	16	12	7	22	86	165	86	160	222	28	211	37
Yes		118									32				87				13
	С%					100.0					100.0								51.2
		114	62	47	17	29	7	16	12	7	22	33	80	29	82		6	99	13
														N	M				
No		71	34	31	0	0	0	0	0	0	0	27	43	29	39	58	11	57	12
110	C%	. –									0.0				31.2				48.8
	- 0	140					0.0	0.0	0.0	0.0	0.0				78			112	
			00		Ü	Ü	ŭ	ŭ	Ū	Ü	Ū	33	00	NI.	, о				

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	:		======		======				== BANN	ER 2 ===	=====	======							
			FUTUI	RE PURC	HASE	CFL						HOME EN	IERGY	CONSIDE	R EE	TO USE	LESS	PRICE A	AND
						INSTALI	LATION	CFL S'	TORAGE	PROMO I	URING	USAGE		IMPROVE	MENTS	ENERGY		OPERATI	E COST
				Init-	Change					MOST RE	CENT								
			Init-	ially	Unlike		Not		Not	PURCHAS	EΕ		Not		Not		Not		Not
			ially	Un-	to	Instal	Instal	Store	Store			Con-	Con-	Too	too	Worth	worth	Con-	con-
		Гotal	Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total		489	306	164	51	280	43	164	110	84	214	115	372	113	371	433	52	443	41
	С%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		420	246	156	51	191	29	112	75	57	146	107	311	104	311	371	46	376	38
Yes		59	38	20	5	38	3	19	19	13	23	12	45	23	36	51	8	50	7
	C%	12.0	12.3	12.3				11.6					12.2		9.6		14.6	11.3	17.5
		49	30	18									37		29	43	6	41	7
														N	M				
No		424	263	142	46	239	40	144	89	69	189	99	324	89	330	377	43	386	33
	C%	86.8	86.2	86.7	90.9	85.3	93.1	87.5	81.3	82.5	88.4	85.8	87.2	78.2	89.2	87.0	83.8	87.3	82.5
		365					27	98			129				278		39	329	31
														N	M				
Don't know		6	5	2	0	3	0	1	1	1	1	4	2	2	5	5	1	6	0
DOIL C KITOW	C%	1.3	1.5	1.0				0.9							1.2		1.6	1.4	0.0
	C-5	1.3	1.5	2.0		2.0		0.9	1.3	1.0	1		2		4	1.3	1.0	1.4	0.0
		0	4	4	U	۷	U			1	1	*±	Z K	_	4	5	1	0	U
												L	r.						

S3B. Have you ever received a coupon in the mail for a discount on the purchase of CFLs?

BASE: Respondents who are aware of CFLs

			======		======				== BANN	ER 2 ===		======					======		======
			FUTU	RE PURC	HASE	CFL						HOME EN	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE .	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO I	URING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT	E COST
				Init-	Change					MOST RE	CENT								
			Init-	ially	Unlike		Not		Not	PURCHAS			Not		Not		Not		Not
			ially		to							Con-		Too		Worth		Con-	
			-	-	Likely							cerned		-	-			sider	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total		489	306	164	51	280	43	164	110	84	214	115	372	113	371	433	52	443	41
	C%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		420	246	156	51	191	29	112	75	57	146	107	311	104	311	371	46	376	38
Yes		129	88	36	9	91	12	56	35	40	54	25	104	30	100	113	16	118	11
	С%	26.4	28.8	22.0	18.1	32.5	27.6	33.9	32.0	47.4	25.3	21.6	28.1	26.2	26.9	26.2	30.8	26.7	27.9
		102	67	31	8	62	8	38	24	27	37	20	82	25	77	89	13	93	9
										J	I								
No		306	188	104	31	166	22	100	62	35	141	78	226	74	227	275	27	276	25
	С%	62.5	61.6	63.8	61.3	59.2	51.7	60.7	56.0	42.1	65.8	67.3	60.8	64.9	61.3	63.5	51.4	62.3	61.8
		270	156	101	32	113	15	68	42	24	96	74	194	67	198	242	25	241	24
										J	I								
Don't know		54	29	23	10	23	9	9	13	9	19	13	41	10	44	45	9	49	4
	C%										8.9								
		48		24		16				6	13		35		36		8		
			D		В														

inte change not known	OPERATE COST Not Not worth Con- con-
Init- Change MOST RECENT	Not Not worth Con- con-
	Not Not worth Con- con-
Init- ially Unlike Not Not PURCHASE Not Not	
ially Un- to Instal Instal Store Store Con- Con- Too too Worth	
Total Likely likely likely -led -led CFLs CFLs Yes No cerned cerned busy busy it	it sider sider
ABCDEFGHIJKLMNO	PQR
Total 489 306 164 51 280 43 164 110 84 214 115 372 113 371 433	
C% 100.0 100	
720 270 130 31 191 29 112 73 37 170 107 311 107 311 371	. 40 370 30
Yes 323 233 78 19 280 43 164 110 84 214 60 261 62 258 287	7 31 299 21
C\$ 65.9 76.3 47.5 37.6 100.0 100.0 100.0 100.0 100.0 100.0 52.2 70.2 54.4 69.6 66.3	
220 159 53 13 191 29 112 75 57 146 41 178 42 176 196	
CD B B L K N M	R Q
No 158 70 80 31 0 0 0 0 0 52 105 50 105 138	3 19 137 18
C% 32.2 22.9 48.9 60.8 0.0 0.0 0.0 0.0 0.0 0.0 44.9 28.2 44.2 28.3 31.9	37.1 30.9 45.2
189 84 96 37 0 0 0 0 0 62 126 60 126 166	5 23 164 22
CD B B L K N M	
Don't know 9 3 6 1 0 0 0 0 0 3 6 2 8 8	
C% 1.9 0.8 3.6 1.6 0.0 0.0 0.0 0.0 0.0 0.0 2.9 1.6 1.5 2.0 1.7	
11 3 7 1 0 0 0 0 0 4 7 2 9 9 C B	2 8 2

BASE: CFL Purchaser

	==:		FUTUE	RE PURCI	HASE	CFL				ER 2 ===		HOME EI	VERGY		R EE	TO USE	LESS		AND
			ially	ially Un-	Unlike to	Instal	Not Instal	Store	Not Store	MOST RE	E 	Con-	Not Con-	Too	Not too	Worth	Not worth	Con-	Not con-
										Yes I									
Total		323 00.0 220	100.0	100.0		100.0		100.0	100.0	100.0	100.0			100.0	258 100.0 176	100.0	100.0	299 100.0 204	100.0
1	C% :	54 16.8 37	26 11.3 18 C		15.4 2	12.6	19 44.8 13	11.6	14.7	12 14.0 8	17.8		15.7	14.3	44 17.0 30	15.3		15.7	
2	C% :	72 22.3 49	45 19.5 31	32.1		22.5	20.7	19.6	25.3	21 24.6 14	21.9	14.6	24.2	23.8	22.2	23.5	14.3		28.6
3	C% :	16.8	44 18.9 30	9.4	7.7	18.3	6.9	19.6	16.0	13 15.8 9	16.4	12.2	18.0	9.5	18.8	16.3	23.8	16.7	
4	C% :			7.5		10.5	10.3	10.7		9 10.5 6	10.3	9.8	10.1		11.9	10.7	9.5	10.8	
5-6	C% :		31 13.2 21	5.7		12.6	0.0	14.3	10.7	9 10.5 6	12.3	14.6	10.1	19.0	9.1	11.2	9.5	11.3	
More than 6	C% :	37 11.4 25		3.8	1	12.0	6.9		10.7	12 14.0 8	11.0		11.2	11.9	11.4		0.0		
	MEAN:	5.11	5.48	4.43	3.42	5.00	5.81	5.60	4.11	6.45	4.78	7.74	4.53	5.03	5.16	5.39 P		5.33 R	2.08 Q

Q1. On how many separate occasions have you purchased them?

BASE: CFL Purchaser

		=====	======	======	======	======			== BANN	ER 2 ===	=====					======		======	======
			FUTU	RE PURC	HASE	CFL						HOME EI	NERGY	CONSIDE	R EE	TO USE	LESS	PRICE	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	USAGE		IMPROVE	MENTS	ENERGY		OPERAT	E COST
				Init-	Change					MOST RE	CENT								
			Init-	ially	Unlike		Not		Not	PURCHAS	E		Not		Not		Not		Not
			ially	Un-	to	Instal	Instal	Store	Store			Con-	Con-	Too	too	Worth	worth	Con-	con-
		Total	Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Don't know		37	26	9	1	32	4	19	13	9	22	9	28	12	25	29	6	34	3
	C%	11.4	11.3	11.3	7.7	11.5	10.3	11.6	12.0	10.5	10.3	14.6	10.7	19.0	9.7	10.2	19.0	11.3	14.3
		25	18	6	1	22	3	13	9	6	15	6	19	8	17	20	4	23	2
	MEAN:	5.11	5.48	4.43	3.42	5.00	5.81	5.60	4.11	6.45	4.78	7.74	4.53	5.03	5.16	5.39		5.33	2.08
	MEAN.	3.11	3.40	4.43	3.42	5.00	3.01	5.00	4.11	0.43	4.70	7.74	4.33	5.03	3.10	5.39 P	2.05		2.00

	=	=====	FUTU	RE PURCI	HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO I	URING	HOME EN	IERGY	CONSIDE IMPROVE	R EE MENTS	TO USE ENERGY	LESS	PRICE A	AND
			ially Likely	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	Yes	EE No	Con- cerned	Not Con- cerned	Too busy	Not too busy	Worth it	it	Con- sider	sider
Total		323 100.0 220	233 100.0	78 100.0	19 100.0	280	43 100.0 29	164 100.0	110 100.0	84 100.0	214	60 100.0	261	62 100.0 42	258	287	31 100.0	299 100.0	21 100.0
This fall	C%	12 3.6 8	4.4		7.7	3.7		4.5	2.7	7.0	6 2.7 4	2.4	10 3.9 7	0.0	12 4.5 8	3.6	4.8	3.9	0.0
Within the last year	C%	78 24.1 53	25.8		23.1 3		7 17.2 5	24.1	26.7	19.3	57 26.7 39	34.1	57 21.9 39	15 23.8 10	63 24.4 43	24.5	23.8	23.0	42.9
Less than two years a	_	60 18.6 41	18.9	18.9		51 18.3 35	20.7	14.3	24.0	12.3	44 20.5 30	14.6	51 19.7 35		40 15.3 27 M	37	14.3	19.1	7.1
Less than five years ago		111 34.5 76	33.3	37.7		35.1	31.0	35.7	34.7	47.4	66 30.8 45 I	34.1 14	91 34.8 62	18 28.6 12	92 35.8 63	32.1	52.4	35.8	14.3
Less than 10 years ago	O C%		8.8	9.4	15.4	8.4	13.8	10.7	5.3	8.8	21 9.6 14	4.9	26 10.1 18	9.5	23 9.1 16	9.7	4.8	8.3	21.4
More than 10 years ago	O C%	12 3.6 8	3.1	5.7	7.7	3.1		2.7	2.7	1.8	9 4.1 6	4.9	9 3.4 6	0.0	12 4.5 8	4.1	0.0	3.4	7.1
Don't know	C%	21 6.4 14	5.7	7.5	7.7	6.3	6.9	8.0	4.0		12 5.5 8		16 6.2 11	4.8	16 6.3 11	7.1	0.0	6.4	7.1

BASE: CFL Purchaser within the last year

	==		FUTUE	RE PURC	HASE	CFL				ER 2 ===		HOME EN		CONSIDE	R EE	TO USE	LESS	PRICE A	AND
				Init-	Change					MOST RE	CENT							OPERATE	
					Unlike to		Not Instal		Not Store	PURCHAS			Not Con-	Too	Not too	Worth	Not worth	Con-	Not
		tal	Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
		A	B	C	D	E	F	G	н	1	J	K	L	M	N	0	P	Q	R
Total	C% 1	311	223 100.0	76 100.0	18 100.0	270 100.0	41 100.0	157 100.0		78 100.0	208		251 100.0	62 100.0	246 100.0		29 100.0		21 100.0
		212	152								142		171	42	168				14
This fall	C%	60 19.3	48 21.7			59 21.7					38 18.3		48 19.3	15 23.8	45 18.5				
		41	33	8	2	40	1	26	14	14	26	8	33	10	31	35	6	38	3
Within the last year	C%	123 39.6	98 44.1	19 25.0	6 33.3	113 41.8	10 25.0	69 43.9			82 39.4		103 40.9	18 28.6	106 42.9	111 40.2			6 28.6
		84	67 C	13 B		77	7	47	28	21	56	14	70	12	72	76	7	79	4
Less than two years as	_		43								45		53		51				3
	C%	46	19.1 29								21.8 31		21.1 36	26.2 11	20.8 35				14.3
Less than five years		32	18	13	3	23	9	10	12	3	26	6	26	7	23	26	4	31	1
ago	C%	10.4	7.9 12				21.4	6.5 7			12.7 18		10.5 18	11.9	9.5 16				7.1 1
		22	12	,	2	10	O	,	0	2	10	-	10	3	10	10	3	21	_
Less than 10 years ago)	4	3				3	1			3	0	4	1	3		0	1	3
	C%	1.4	1.3		8.3						1.4		1.8	2.4	1.2				14.3
Don't know		23	13	9	1	18	6	13	4	4	13	6	16	4	18	22	1	21	3
	C%	7.5	5.9	11.5	8.3	6.5	14.3	8.4	4.1	5.7	6.3	10.0	6.4	7.1	7.1	7.9	5.0	7.1	

	=	=====		======					== BANN	ER 2 ===		======			=====	======	======	======	
										PROMO I				CONSIDE IMPROVE	MENTS	ENERGY		PRICE A	E COST
			ially Likely	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	PURCHAS Yes	SE No	Con- cerned	Not Con- cerned	Too busy	Not too busy	Worth it	Not worth it	Con- sider	Not con- sider
	_	-A	B		D	E		G	n	1	0	K	P	IvI	IV	0	P	Q	K
Total	C%	183 100.0 125		100.0	100.0	100.0	12 100.0 8	107 100.0 73	100.0	100.0	120 100.0 82	100.0		32 100.0 22	151 100.0 103		100.0	100.0	10 100.0 7
None	C%	23 12.8 16	19 13.0 13	14.3		12.8		9.6	19.0	0.0	23 19.5 16 I	4.5	22 14.6 15		22 14.6 15	12.6	15.4	13.7	0.0
1	C%	18 9.6 12	15 10.0 10	9.5	0.0	8.5	3 25.0 2	7 6.8 5	11.9	14.3	10 8.5 7	22.7	10 6.8 7	13.6 3	13 8.7 9	9.0	15.4	10.3	0.0
2	C%	16 8.8 11	15 10.0 10	4.8	0.0	10 6.0 7	6 50.0 4	4 4.1 3	9.5	2.9	12 9.8 8	13.6	12 7.8 8	13.6 3	12 7.8 8	9.0	7.7	7.7	3 28.6 2
3	C%	12 6.4 8	12 8.0 8	0.0	0.0		0.0	4 4.1 3	11.9	0.0	12 9.8 8	4.5	10 6.8 7	0.0	12 7.8 8	7.2	0.0	6.0	0.0
4	C%	16 8.8 11	12 8.0 8	14.3			0.0	10 9.6 7	9.5	14.3	9 7.3 6	18.2	10 6.8 7	7 22.7 5	9 5.8 6	8.1	15.4	9.4	0.0
5	C%	13 7.2 9	12 8.0 8	0.0	0.0	7.7	0.0	4 4.1 3	14.3	5.7	9 7.3 6	4.5	12 7.8 8	1 4.5 1	12 7.8 8	8.1	0.0	7.7	0.0
6	C%	26 14.4 18	22 15.0 15	9.5	1 16.7 1		1 12.5 1	18 16.4 12	9.5	17.1	16 13.4 11	13.6	22 14.6 15		19 12.6 13		15.4	13.7	28.6

Q3. Thinking back over the past year, how many CFLs have you purchased? BASE: CFL Purchaser within the past year

		=====		======			======		== BANN	ER 2 ===	=====	======		======		======	======	======	======
				RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	HOME E	NERGY	CONSIDE		TO USE ENERGY		PRICE .	
				ially	Unlike		Not		Not	MOST RE	E		Not		Not		Not		Not
				likely	to Likely	-led	-led	CFLs	CFLs		No	cerned	cerned	Too busy	busy		it	Con- sider	sider
			Б	C	D	Б	r	g	11	_	Ü	IC.	п	r-i	IN	Ü	r	V	K
7-10	C%	18 9.6						15 13.7		9 17.1		1 4.5					1 7.7	18 10.3	
		12	8	2	0	12	0	10	2	6	6	1	11	1	11	11	1	12	0
More than 10		35				35					19				31			31	
	C%	19.2 24	17.0 17						4		15.9 13			13.6			23.1		
Don't know	C%	6 3.2	4 3.0	1 4.8		6 3.4	0.0		0.0	1 2.9	1.2	0.0		0.0			0.0	6 3.4	0.0
	Ca	3.2	3.0		0.0					1	1.2	0.0			4		0.0		
	MEAN:	8.6	7.6	13.5	9.2	9.0 F		10.9 H			7.4	5.8	9.3	6.9	9.0	8.7	7.6	8.6	8.6

	=	=====	FUTU	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	ER 2 === PROMO D	URING	HOME EI		CONSIDE	R EE	TO USE ENERGY		PRICE OPERAT	AND
					Unlike		Not		Not	MOST RE	E		Not	Too	Not		Not	 Con-	Not
			Likely							Yes I		cerned						sider Q	
Total	C%	323 100.0 220	100.0	100.0		280 100.0 191	43 100.0 29	100.0	100.0	84 100.0 57	214 100.0 146	100.0	261 100.0 178	62 100.0 42	258 100.0 176	100.0	31 100.0 21	100.0	21 100.0 14
Home centers	C%	135 41.8 92	44.0	34.0	9 46.2 6	42.9	15 34.5 10	43.8	42.7	43 50.9 29	81 37.7 55	36.6	113 43.3 77	19 31.0 13	116 44.9 79	43.4	9 28.6 6	42.2	
Discount Department Stores	C%	73 22.7 50	23.9	18.9	3 15.4 2	23.6	7 17.2 5	20.5	26.7	21 24.6 14	44 20.5 30	24.4	59 22.5 40	18 28.6 12	54 21.0 37	23.0	6 19.0 4	22.5	6 28.6 4
Buying clubs	C%	37 11.4 25	8.8	17.0				17.0	6.7 5	6	28 13.0 19	9.8	31 11.8 21		32 12.5 22	11.2	14.3 3		
Hardware stores	С%	57 17.7 39	18.2	17.0	7.7	18.3	13.8	17.0	18.7	13 15.8 9	38 17.8 26	17.1		7.1		18.4 36	9.5	19.1	0.0
Supermarkets	С%	18 5.5 12	5.0	5.7	15.4	4.2	13.8	2.7	6.7	4 5.3 3	12 5.5 8	7.3	4.5	7.1	10 4.0 7	4.1		4.9	14.3
Lighting supply stores		9 2.7 6	3.8	0.0		2.6	3.4	1.8	4.0		7 3.4 5	2.4	2.8	2.4	7 2.8 5	3.1		2.0	7.1
Mail Order Catalog	C%	3 0.9 2	1.3	0.0	0.0	1.0	0.0	0.9	1.3	0.0	3 1.4 2	0.0	1.1	2.4	1 0.6 1	1.0	0.0	1.0	0.0

	=				======				== BANNI	ER 2 ===		======	======						======
			FUTU	RE PURC	HASE	CFL						HOME E	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT	E COST
				Init-	Change					MOST RE	CENT								
			Init-	ially	Unlike		Not		Not	PURCHAS:	E		Not		Not		Not		Not
			ially	Un-	to	Instal	Instal	Store	Store			Con-	Con-	Too	too	Worth	worth	Con-	con-
	Γ	otal	Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
	-	A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Over the Internet		1	1	0	0	1	0	1	0	0.0	1	0	1	0	1	1	0	1	0
	C%	0.5	0.6	0.0	0.0	0.5		0.9							0.6	0.5	0.0	0.5	0.0
		1	1	0	0	1	0	1	0	0	1	0	1	0	1	1	0	1	0
Other		4	4	0	0	4	0	3	1	0.0	4	1	3	3	1	4	0	4	0
	С%	1.4	1.9	0.0	0.0	1.6	0.0											1.5	0.0
		3	3	0	0	3	0	2	1	0	3	1	2	2	1	3	0	3	0
														N	M				
Don't know		12	4	7	0		6			1			9			9	3	10	1
	C%	3.6	1.9	9.4	0.0	2.1	13.8	2.7	1.3	1.8	4.8	4.9	3.4	9.5	2.3	3.1	9.5	3.4	7.1
		8	3	5	0	4	4	3	1	1	7	2	6	4	4	6	2	7	1
			C	В										N	M				

	==:			======	======	======			== BANN	ER 2 ===	=====		=====		=====	======		======	
										PROMO I				CONSIDE	MENTS			PRICE A	E COST
			ially Likely	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	MOST RE PURCHAS Yes I	E No	Con-	Not Con- cerned	-	Not too busy	Worth it	Not worth it	sider	Not con- sider
Total	C% 1	323 00.0 220	233 100.0 159	100.0	100.0	280 100.0 191			100.0		214 100.0 146	60 100.0 41	261 100.0 178	62 100.0 42	258 100.0 176	287 100.0 196		100.0	21 100.0 14
Reduce electricity bill	- C% :	66 20.5 45	50 21.4 34	15.1	38.5	60 21.5 41	6 13.8 4	38 23.2 26	20.0	17.5	48 22.6 33	19 31.7 13 L	47 18.0 32 K	12 19.0 8	54 21.0 37	63 21.9 43	3 9.5 2	22.1	0.0
Save/conserve energy	C%	204 63.2 139	155 66.7 106	54.7	46.2	182 64.9 124	51.7	101 61.6 69	68.0	70.2	128 59.6 87	37 61.0 25	167 64.0 114	41 66.7 28	161 62.5 110	180 62.8 123	61.9	65.7	6 28.6 4
Extra cost for CFL was minimal	C%	18 5.5 12	13 5.7 9	5.7	7.7	18 6.3 12	0.0	8.0	4.0	5.3	13 6.2 9		15 5.6 10	1 2.4 1	16 6.3 11	15 5.1 10		5.4	1 7.1 1
Energy savings worth the extra up-front cost	:C% :	38 11.8 26	26 11.3 18	13.2	15.4	35 12.6 24	6.9	13.4	10.7	7.0	31 14.4 21	7.3 3	34 12.9 23	0 0.0 0 N	38 14.8 26 M	37 12.8 25	4.8	11.8	7.1 1
Cost savings worth the extra up-front cost	C%	19 5.9 13	16 6.9 11	1.9	0.0	19 6.8 13	0.0	8.9	2.7	7.0	10 4.8 7	4 7.3 3	15 5.6 10	7 11.9 5	12 4.5 8	4.6		4.9	4 21.4 3
It is the "right thing to do"	C%	3 0.9 2	3 1.3 2	0.0	0.0	3 1.0 2	0.0		0.0	0.0	0.7 1	0.0	3 1.1 2	0.0	3 1.1 2	1.0	0.0	0.5	7.1 1
Product works better/is higher quality	S C%	13 4.1 9	10 4.4 7	3.8	7.7	13 4.7 9	0.0		4.0	5.3	9 4.1 6	6 9.8 4 L	7 2.8 5 K	7.1 3	9 3.4 6	13 4.6 9	0.0	3.9	7.1 1

	=====		======			======	======	== BANN	ER 2 ===		======	======	======		======	======	======	======
			FUTURE PURCHASE CF										CONSIDE	EMENTS			PRICE .	E COST
			ially	_		Not		Not	PURCHAS	SE	Con-	Not	Too	Not	Worth	Not		Not
		Likely						CFLs			cerned						sider Q	
Like to have new, high-		4 1	3	0	1	3	1	0	0	4	0	4	0	4	3	1	4	0
Like to have new, high- tech products	C% 1.	4 0.6 3 1	3.8	0.0	0.5	6.9	0.9	0.0	0.0	2.1	0.0	1.7		1.7	1.0	4.8	1.5	0.0
Friends/family suggested C	C% 1.	4 4 4 1.9	0.0	0.0	1.0	1 3.4	0.9	. 1) 1.3	1 1.8 1	1.4 2	1 2.4 1	1.1	0.0	1.7	1.5	0.0	1.5	0.0
		5	0	Ü	2	-	_	_	±	2	_	2	Ü	3	3	Ü	J	· ·
To try them out	1 2% 5.	9 4.4	11.3		5.2	10.3	3.6	8.0	5.3	6.8	4.9	6.2	9.5	5.1	6.6	0.0		14.3
	1	3 7	6	1	10	3	4	6	3	10	2	11	4	9	13	0	11	2
Other	C% 0.	1 0 5 0.0	1 1.9	0.0	1 0.5	0.0	0.9	. 0.0	1 1.8	0.0	0.0	1 0.6	0.0	1 0.6	1 0.5	0.0	1 0.5	0.0
		1 0	1	0	1	0	1	. 0	1	0	0				1	0	1	0
Don't know	C% 1.	4 4 4 1.9	0	0.0		4 10.3			0.0	3	0	3 1.1	1 2.4		4	0	3 1.0	1
	-o ⊥.	3 3	0.0				0.0	0.0	0.0	2	0.0	2	2.4	1				

Q5B. Was there a special promotion or sale at the store when you bought your most recent CFL(s)?

BASE: CFL Purchasers

	====			======		======		== BANN	ER 2 ===						======		======	
			RE PURC		CFL		GDT 61	TOD 3 GE	DDONO D	TID THE	HOME E	NERGY	CONSIDE		TO USE	LESS	PRICE A	
				Change					PROMO D		USAGE		IMPROVE		ENERGY		OPERATI	E COST
		Init-		Unlike		Not		Not	PURCHAS			Not		Not		Not		Not
		ially				Instal							Too		Worth			con-
		. Likely B	-	-								cerned	-	busy		it	sider	
	A	B		u	E		G	H	1		K	P	IvI	N	0	P	Q	K
Total	3:								84	214				258		31		21
	C% 100								100.0 57	100.0 146			100.0 42	100.0 176				
	2.	.0 133		13	171	2,7	112	75	37	110	41	170	12	170	100	21	201	11
Yes		34 53							84	0			13	70		7		1
	C% 25	9 22.6 57 36							100.0 57	0.0			21.4	27.3 48		23.8		7.1 1
		,, 30		-	33	-	H	G	J	I	10	- 17	,	40	31	3	30	_
No	2:								0	214				170		22		
	C% 66								0.0	100.0 146			69.0 29	65.9 116		71.4 15		78.6 11
		102	31	O	123	23	Н		J	I	30	110	2,7	110	127	13	131	
Don't know		25 21 7 8.8							0	0				18		1	21	3
		7 8.8 .7 14							0.0	0.0			9.5 4	6.8 12			6.9 14	

			FUTU	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	HOME E	NERGY	CONSIDE	ER EE EMENTS	TO USE ENERGY	LESS	PRICE OPERAT	AND E COST
				ially	Unlike		Not		Not	MOST RE	E		Not		Not				Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes I	No	cerned	cerned	busy	busy	it	it	sider	sider
Total	C%	323 100.0 220	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	214 100.0 146	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
\$1	C%	15 4.5 10	3.1	7.5	7.7	5.2	0.0	7.1	2.7	14.0	3 1.4 2 I	4.9	4.5	2.4	5.1	3.6	14.3	4.9	0.0
\$2	C%	19 5.9 13	6.3	3.8	7.7	5.8	6.9	2.7	10.7	7.0	13 6.2 9	2.4	6.7	4.8		6.1	4.8		7.1
\$3	C%	21 6.4 14	6.9	3.8	0.0	6.8	3.4	4.5	10.7	7.0	13 6.2 9	7.3	5.6	2.4	6.8	6.6	4.8	6.9	0.0
\$4	C%	12 3.6 8	3.8	1.9	7.7	4.2	0.0	3.6	5.3	3.5	9 4.1 6	0.0	4.5	0.0	4.5	3.6	4.8	3.9	0.0
\$5	C%	16 5.0 11	6.9	0.0	0.0	5.2	3.4	3.6	8.0	3.5	13 6.2 9	2.4	5.6	4.8	5.1	5.6	0.0	4.9	7.1
\$6-\$9	C%	15 4.5 10	6.3	0.0	0.0	5.2	0.0	2.7	9.3 7	0.0	15 6.8 10 I	4.9	4.5	9.5		4.6	4.8	4.4	7.1

	:		======	======		======	======		== BANN	ER 2 ===	=====	======	======			======	======	======	======
				RE PURC						PROMO D		HOME E		CONSIDE IMPROVE	EMENTS	TO USE ENERGY	LESS	PRICE OPERAT	
			ially Likely	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	CFLs	PURCHAS	E No	Con- cerned	Not Con- cerned	_	Not too busy	Worth it	it	Con- sider	sider
\$10 or more	C%	16 5.0 11		1.9		4.7	6.9	5.4	2.7	8.8		9.8			15 5.7 10	5.6		5.4	0.0
Don't know	C%	180 55.9 123	51.6	71.7 38	69.2 9		65.5	104 63.4 71 H	40.0	47.4 27	120 56.2 82	58.5	55.6		139 54.0 95	55.1	19 61.9 13	55.4	71.4
Refused	C%	29 9.1 20		9.4		23 8.4 16	13.8	7.1	10.7	8.8	21 9.6 14	9.8	9.0	4 7.1 3	25 9.7 17		1 4.8 1	25 8.3 17	7.1
	MEAN:	6.21	6.79 D		2.33 B		7.83	7.67	4.41	7.92	5.24	8.38	5.81	6.45	6.28	6.54 P			4.33

=	=====	FUTU	RE PURC	HASE	CFL				ER 2 ===		HOME EI		CONSIDE	ER EE	TO USE		PRICE OPERAT	AND
		ially	ially Un-	Unlike to	Instal	Not Instal	Store	Not Store	MOST RE	E 	Con-	Not Con-	Too	Not too	Worth	Not worth	Con-	Not con-
				Likely					Yes I							it P	sider Q	
Total C%	323 100.0 220	100.0	100.0	100.0	280 100.0 191	100.0	100.0	100.0	84 100.0 57	214 100.0 146	100.0	261 100.0 178		258 100.0 176	100.0	31 100.0 21	100.0	100.0
In store display/sale/ point of purchase mat C%		13.8	11.3	7.7	40 14.1 27	10.3	15.2		13 15.8 9	28 13.0 19	17.1		9.5	37 14.2 25	12.8		13.7	
Ad on television/ Internet/newspaper/etc C%	131 40.5 89		49.1	53.8	40.3	41.4	40.2	40.0	29 35.1 20	92 43.2 63	41.5	106 40.4 72	35.7	107 41.5 73	40.8	13 42.9 9	40.7	28.6
Word of mouth C%	47 14.5 32	44 18.9 30 C	3.8	0.0	41 14.7 28	13.8	11.6	22 20.0 15	6 7.0 4	37 17.1 25	17.1		16.7	37 14.2 25	15.8	1 4.8 1	14.2	21.4
Sales person C%	9 2.7 6	6 2.5 4	3.8	0.0	7 2.6 5	3.4	3.6		5.3 3	2.1 3	7.3	1.7 3 K	7.1	1.7 3	3.1	0.0	2.9	0.0
Consumer Reports	13 4.1 9	4.4	3.8	7.7	4.7	0.0	4.5	5.3	7.0 4	7 3.4 5	0.0	13 5.1 9	2.4	12 4.5 8	4.6		4.4	0.0
ENERGY STAR Program C%	10 3.2 7	3.8	1.9	7.7	3.7	0.0	3.6	4.0	6 7.0 4 J	3 1.4 2 I	0.0	10 3.9 7	2.4	9 3.4 6	3.1	0.0	3.4	0.0
Utility (bill insert or mailing/announcement) C%	34 10.5 23	10.7	11.3	7.7	11.0	6.9	8.9	14.7	10 12.3 7	19 8.9 13	9.8			26 10.2 18	9.7	4 14.3 3	9.8	14.3

NEEA Consumer Lighting Survey (3321) Q6. Can you recall how you first became aware of CFLs?

		=====		======		======	======		== BANN	ER 2 ===		======				======			======
										PROMO I				CONSIDE IMPROVE	EMENTS			PRICE OPERAT	
			Init- ially	ially	Unlike		Not		Not	MOST RE	SE		Not	Too	Not too		Not worth	Con-	Not con-
			Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes I	No	cerned	cerned		busy	it	it	sider	sider
Announcement by gov or								1			0		0		0		0		
other gov official	C%	0.5									0.0		0.0 0 K	1	0	1			
Received CFL for Free,			4					1	. 3	3	3	0	6					-	
in the Mail	C%	1.8	1.9								1.4		2.2		1.7				
Coupon in the mail	C%	9	7	_							3		7	0			1 4.8	-	
	C&	6	5.1								1.4		2.8		2.8				
While shopping/noticed them at store	C%	4 1.4	4 1.9			_				-	4 2.1		3 1.1		3 1.1		0.0		0.0
them at store	Ca	3	3								3				2		0.0		
Other	C%	1.4	1 0.6								3 1.4		4 1.7			3 1.0			
	C 6	3	1						2 0		2		3		3			3	
Don't know	C%	31 9.5	21 8.8								21 9.6		25 9.6					26 8.8	
	C	21	14								9.6		9.6 17						

NEEA Consumer Lighting Survey (3321) Q7A. Do you currently have any CFLs installed in your home?

		=====			======				== BANN	ER 2 ===	=====	======	======						======
			FUTU:	RE PURC	HASE	CFL						HOME E	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE A	AND
						INSTAL	LATION	CFL S'	TORAGE	PROMO D	URING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT	E COST
				Init-	Change					MOST RE	CENT								
			Init-	ially	Unlike		Not		Not	PURCHAS	E		Not		Not		Not		Not
			ially	Un-	to	Instal	Instal	Store	Store			Con-	Con-	Too	too	Worth	worth	Con-	con-
		Total	Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total		323	233	78	19	280	43	164	110	84	214	60	261	62	258	287	31	299	21
	С%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		220	159	53	13	191	29	112	75	57	146	41	178	42	176	196	21	204	14
Yes		280	214	54	13	280	0	164	110	78	180	45	235	56	223	251	25	262	15
	С%	86.8	91.8	69.8	69.2	100.0	0.0	100.0	100.0	93.0	84.2	75.6	89.9	90.5	86.4	87.2	81.0	87.7	71.4
		191	146	37	9	191	0	112	75	53	123	31	160	38	152	171	17	179	10
			C	В								L	K						
No		43	19	23	6	0	43	0	0	6	34	15	26	6	35	37	6	37	6
	С%	13.2	8.2	30.2	30.8	0.0	100.0	0.0	0.0	7.0	15.8	24.4	10.1	9.5	13.6	12.8	19.0	12.3	28.6
		29	13	16	4	0	29	0	0	4	23	10	18	4	24	25	4	25	4
			C	B								т.	K						

	====		RE PURCI	HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO I	OURING	HOME EN	NERGY	CONSIDE IMPROVE	R EE MENTS	TO USE ENERGY	LESS	PRICE .	AND E COST
		Init-	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	PURCHAS Yes	SE No	Con- cerned	Not Con- cerned	Too busy	Not too busy	Worth it	Not worth it	Con- sider	Not con- sider
Total	28 C% 100. 19	0 100.0	100.0	100.0	100.0	0.0	164 100.0 112	100.0	100.0		100.0		100.0	223 100.0 152		100.0	100.0	100.0
1	3 C% 11. 2		29.7 11	44.4	11.0	0.0	5.4	18.7 14	11.3		12.9	10.6	10.5	11.2	10.5	5.9	11.2	10.0
2	3 C% 12. 2	6 13.0	13.5		12.6	0.0	10.7	14.7	13.2		6.5		18.4			0.0	34 12.8 23	10.0
3	2 C% 15.	2 17.1	10.8	0.0	15.2	0.0		12.0			9.7	16.3	18.4	32 14.5 22	14.6	23.5	15.6	10.0
4	2 C% 9. 1	9 10.3	2.7	0.0	9.9	0.0	7.1	14.7	7.5	9.8	16.1	8.8	10.5	22 9.9 15		11.8	8.9	20.0
5	1 C% 6. 1	3 7.5	2.7	0.0	6.3	0.0	7.1	5.3	9.4	5.7	12.9	5.0	2.6	16 7.2 11	4.7	23.5	6.1	10.0
6	3 C% 11. 2	5 11.0	13.5	22.2	11.5	0.0	12.5	10.7	11.3		25.8	8.8	18.4 7			11.8	11.7	10.0

Q7B. How many of them do you currently have installed in your home? BASE: CFL Purchasers who currently have them installed

					======				== BANN	ER 2 ===	=====	======							======
										PROMO D		USAGE		CONSIDE IMPROVE	EMENTS	ENERGY		PRICE .	
			Init- ially	ially	Unlike		Not		Not	MOST RE	E		Not	Too	Not		Not		Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs		No	cerned	cerned	busy	busy	it	it	sider	sider
7-10		31	22	3	1	31	0	22	q	4	23	1	29	4	25	29	1	31	0
7 10	C%		10.3	5.4	11.1	11.0	0.0	13.4	8.0	5.7	13.0	3.2	12.5	7.9	11.2	11.7	5.9	11.7	0.0
11-20		43	37	6	0	43	0	29	12	18	22	3	40	4	38	38	3	38	3
11 20	C%	15.2 29	17.1	10.8	0.0	15.2	0.0	17.9	10.7	22.6		6.5	16.9	7.9	17.1	15.2	11.8	14.5	20.0
More than 20		13	12	1	0	13	0	10	3	6	6	0	13	0	13	13	0	13	0
	C%	4.7	5.5		0.0	4.7	0.0	6.3	2.7	7.5		0.0		0.0		5.3	0.0		0.0
Don't know		4	1	3			0		1	1	1		1		1		1	3	1
	C%	1.6	0.7 1 C	5.4 2 B	0	1.6				1.9 1	0.8		0.6 1 K	2	0.7 1 M	_	5.9 1		
Refused	C%	3	1				0.0	1	1.3	0	3 1.6	0	3 1.3	0	3 1.3	3			
	Co	2	1	1		2	0.0				2		2		2		0.0		
	MEAN:	6.99	7.36 D	5.56	3.33 B				5.55 G	8.23		5.03 L					5.88	7.04	5.78

Q8A. Are you storing any for use as spares or to be installed at a later date? BASE: CFL Purchasers who currently have them installed

	=			RE PURCI	HASE	CFL				ER 2 ===		HOME EN		CONSIDE		TO USE ENERGY		PRICE A	
		rotal .	ially Likely	ially Un- likely	Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs		E No	Con- cerned	Not Con- cerned	Too busy M	Not too busy	Worth it	it	Con- sider	Not con- sider
Total	C%	280 100.0 191	214 100.0 146	54 100.0 37	100.0	280 100.0 191	0.0	164 100.0 112	100.0		180 100.0 123	45 100.0 31		100.0	223 100.0 152		100.0	100.0	15 100.0 10
Yes	C%	164 58.6 112	125 58.2 85	32 59.5 22	55.6	164 58.6 112		100.0	0.0		97 53.7 66 I	25 54.8 17	139 59.4 95	60.5	131 58.6 89	147 58.5 100		59.2	9 60.0 6
No	C%	110 39.3 75	84 39.0 57	22 40.5 15		110 39.3 75	0.0		100.0	22 28.3 15 J	81 44.7 55 I	21 45.2 14	89 38.1 61		87 38.8 59	98 39.2 67		101 38.5 69	6 40.0 4
Don't know	C%	6 2.1 4	6 2.7 4	0.0	0.0	6 2.1 4	0.0	0.0	-	0.0	3 1.6 2	0.0	6 2.5 4		6 2.6 4	6 2.3 4		6 2.2 4	0.0

BASE: CFL Purchasers who are storing any

	=	=====		===== RE PURC		CFL	=====	======	== BANN	ER 2 ===				CONSIDE					
									TORAGE										
				ially	Unlike		Not		Not Store	PURCHAS	SE		Not		Not		Not		Not
									CFLs H										
Total	C%	164 100.0 112	100.0	100.0	100.0	164 100.0 112	0.0		0.0		100.0	100.0		100.0		100.0	100.0		100.0
1	C%	26 16.1 18	15.3	18.2	3 40.0 2	16.1	0.0		0.0		19.7	5.9	17.9	21.7				17.0	0.0
2	C%	44 26.8 30	31.8	4.5	20.0 1	26.8	0.0	26.8	0.0	18.4	30.3	29.4	26.3	30.4	25.8	27.0	27.3	26.4	33.3
3	C%	21 12.5 14	12.9	13.6	20.0	12.5	0.0	12.5	0.0	15.8	12.1	11.8	12.6	8.7	13.5	14.0	0.0	13.2	0.0
4	C%		14.1	13.6		13.4	0.0		0.0		10.6	11.8	13.7	4.3	15.7	15.0		12.3	3 33.3 2
5-10	C%	29 17.9 20	16.5	22.7		17.9	0.0	17.9	0.0	31.6	12.1	17.6 3	17.9	17.4	18.0	18.0	18.2	18.9	0.0
More than 10	C%	9 5.4 6		13.6	0.0	5.4	0.0	5.4	0.0		6.1	11.8	4.2		5.6	4.0	3 18.2 2	4.7	1 16.7 1

NEEA Consumer Lighting Survey (3321)

Q8B. How many?

BASE: CFL Purchasers who are storing any

		=====	======	======		======	======	======	== BANN	ER 2 ==:	======	======	======			======	======	======	======
			FUTU	RE PURC	HASE	CFL						HOME E	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE A	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO 1	DURING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT	E COST
				Init-	Change					MOST R	ECENT								
			Init-	ially	Unlike		Not		Not	PURCHA:	SE		Not		Not		Not		Not
			ially	Un-	to	Instal	Instal	Store	Store			Con-	Con-	Too	too	Worth	worth	Con-	con-
		Total	Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Don't know		12			0								9						
	C%	7.1	4.7	13.6	0.0	7.1							6.3					6.6	16.7
		8	4	3	0	8	0	8	0	2	5	2	6	3	5	6	1	7	1
n. 6 . 1		-			•	-									-				
Refused	~^	1	1 0	0	0	1	0	1	0	0	1 1	0	1 1.1	0	1	1 0	0	1	0
	C%	0.9	1.2			0.9	0.0	0.9			1.5	0.0	1.1	0.0	1.1			0.9	0.0
		1	1	0	0	1	0	1	0	0	1	0	1	0	1	1	0	1	U
	MEAN:	4 48	3 59	8 37	2 60	4 48	*	4 48	*	6 31	3 63	5 07	4 37	3 45	4 72	4 35	5 60	4 41	5 80

	=====		RE PURCH	HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO I	OURING	HOME EN	NERGY	CONSIDE	R EE MENTS	TO USE ENERGY	LESS	PRICE A	AND E COST
		Init-	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	PURCHAS Yes	SE No	Con- cerned	Not Con- cerned	Too busy	Not too busy	Worth it	Not worth it	Con- sider	Not con- sider
Total	164 C% 100.0 112	100.0	100.0	100.0	164 100.0 112	0.0	164 100.0 112					100.0	100.0	100.0	100.0	100.0	100.0	100.0
None	1 C% 0.9 1	0.0	4.5	0.0	0.9	0.0	0.9	0.0	2.6	0.0	0.0	1.1	0.0	1 1.1 1	1.0	0.0	0.9	0.0
1	28 C% 17.0	16.5	22.7	40.0	17.0	0.0	17.0	0.0	15.8		17.6	16.8	26.1	19 14.6 13	19.0	0.0	17.9	0.0
2	34 C% 20.5 23	18.8	27.3	60.0		0.0		0.0	23.7	18.2	5.9	23.2	17.4		21.0	18.2	20.8	16.7
3	29 C% 17.9 20	17.6	13.6	0.0		0.0	17.9	0.0	10.5		5.9	20.0	26.1		14.0	54.5	17.0	33.3
4-6	26 C% 16.1 18	18.8	9.1	0.0	16.1	0.0	16.1	0.0	15.8	18 18.2 12	41.2	11.6	17.4		17.0	9.1	15.1	33.3
7-10	21 C% 12.5 14	12.9	4.5	0.0	12.5		12.5	0.0		15 15.2 10	5.9	19 13.7 13	0.0	15.7		9.1	21 13.2 14	0.0

		=====	======						== BANN	ER 2 ===	=====								======
			FUTU	RE PURC	HASE	CFL						HOME E	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO D	URING			IMPROVE		ENERGY		OPERAT	
				Init-	Change					MOST RE	CENT								
			Init-	ially	Unlike		Not		Not	PURCHAS:	E		Not		Not		Not		Not
															too	Worth	worth	Con-	con-
			_	_	_					Yes				_	-	it		sider	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
More than 10		18	13	4	0	18	0	18	0	10	6	3	15	1	16	16	1	16	1
	C8	10.7	10.6	13.6	0.0	10.7	0.0	10.7		18.4								10.4	16.7
		12	9	3	0	12	0	12	0	7	4	2	10	1	11	11	1	11	1
										J	I								
Don't know		7	6	1	0	7	0	7	0	3 5.3	3	3	4	3	4	6	0	7	0
	C8	4.5	4.7	4.5	0.0	4.5	0.0	4.5	0.0	5.3	3.0	11.8	3.2	8.7	3.4	4.0	0.0	4.7	0.0
		5	4	1	0	5	0	5	0	2	2	2	3	2	3	4	0	5	0
	MEAN:	5 43	5 46	5 40	1 60	5 43	*	5 43	*	6.57	4 70	5.53	5 42	3 00	6 04	5 56	4 36	5 44	5.33
	PIEAN.	3.43	D. 10	3.40	1.00 B			3.43		0.37	1.70	3.33		3.00 N			4.50	3.11	3.33

										PROMO D		USAGE		CONSIDE IMPROVE	MENTS	ENERGY		OPERAT	E COST
			ially	ially Un-	Unlike to	Instal	Not Instal	Store	Not Store	PURCHAS	E 	Con-	Not Con-	Too	Not too	Worth	Not worth	Con-	Not con-
														busy M				sider Q	
Total	C%	164 100.0 112	100.0	100.0	100.0	164 100.0 112	0.0	164 100.0 112	0.0	100.0	97 100.0 66	100.0	139 100.0 95	100.0	131 100.0 89	147 100.0 100	100.0	100.0	100.0
None	C%	7 4.5 5	3.5	9.1	0.0	4.5	0.0	4.5	0.0	2.6	6 6.1 4	0.0	5.3	4.3	6 4.5 4		9.1	4.7	0.0
1	C%	28 17.0 19	17.6	13.6	40.0	17.0	0.0	17.0	0.0	13.2	18.2	11.8	17.9	17.4	22 16.9 15		18.2	17.9	0.0
2	C%	47 28.6 32	28.2	22.7	40.0	28.6	0.0	28.6	0.0	23.7		17.6	30.5	26.1	38 29.2 26		18.2	28.3	33.3
3	C%	21 12.5 14	14.1	9.1	0.0	12.5	0.0	12.5	0.0	13.2		17.6	11.6	17.4	15 11.2 10		9.1	12.3	16.7
4-6	C%	35 21.4 24	22.4	22.7	20.0	21.4	0.0	21.4	0.0	31.6	15 15.2 10 I	17.6 3	22.1	13.0	31 23.6 21	23.0	9.1	21.7	16.7
More than 6	C%	16 9.8 11	7.1	18.2	0.0	9.8	0.0	9.8	0.0	10.5		17.6		8.7	10.1	8.0	27.3	9.4	16.7
	MEAN:	3.72	3.24	5.76	2.40	3.72	*	3.72	*	5.11	3.05	5.07	3.52	3.30	3.82	3.62	4.70	3.63	5.60

Q8C. Thinking about your most recent purchase, how many of the CFLs did you store to install later?

BASE: CFL Purchasers who are storing any

	=	=====	======	======	======				== BANN	ER 2 ===:					======	======	======	:	======
			FUTU:	RE PURC	HASE	CFL						HOME EN	IERGY	CONSIDE	R EE	TO USE	LESS	PRICE A	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO D	JRING	USAGE		IMPROVE	MENTS	ENERGY		OPERATI	E COST
					_					MOST RE									
			Init-	ially	Unlike		Not		Not	PURCHAS	€		Not		Not		Not		Not
			ially	Un-	to	Instal	Instal	Store	Store			Con-	Con-	Too	too	Worth	worth	Con-	con-
	Т	otal	Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
	-	-A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
		1.0	•	-		10		1.0					-		_	_			
Don't know		10	-	. 1	0	10				3					. 6		1	- 9	1
	C%	6.2			0.0	6.3						17.6		13.0	4.5		9.1		16.7
		7	6	1	0	7	0	7	0	2	4	3	4	3	4	5	1	6	1
	MEAN:	3.72	3.24	5.76	2.40	3.72	*	3.72	*	5.11	3.05	5.07	3.52	3.30	3.82	3.62	4.70	3.63	5.60

Q9A. Have you had any CFLs that you installed, but later removed and did not use elsewhere in your home?

		=====	======	======	======	======	======	======	== BANN	ER 2 ===		======			=====	======	======	======	======
										PROMO I				CONSIDE IMPROVE	EMENTS	TO USE ENERGY		PRICE OPERAT	
				ially	Unlike		Not		Not	MOST RE	SE		Not		Not		Not		Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs		No	cerned	cerned	Too busy	busy	Worth it	it	Con- sider	sider
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total	C%	323 100.0 220	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Yes	C%	51 15.9 35	12.6	14	15.4 2	13.1	34.5	9.8	18.7	24.6		22.0	14.6	19.0	15.3	15.3		17.2	0.0
No	C%	265 82.3 181	85.5		84.6	85.9	58.6	90.2	78.7 59	75.4	82.9	78.0	83.1	78.6	83.0	83.2	23 76.2 16	80.9	100.0
Don't know	C%		_			1.0	6.9	0.0	2.7	0.0		0.0	2.2		4 1.7			2.0	0.0

~ "						
BASE:	CFL	purchasers	who	removed	them	

	=		FUTU	RE PURCI	HASE	CFL INSTALI	LATION	CFL S	TORAGE	PROMO D	URING	HOME EN	NERGY	CONSIDE IMPROVE	R EE MENTS	TO USE ENERGY	LESS	PRICE OPERAT	AND E COST
		otal	ially Likely	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	PURCHAS Yes	E No	Con- cerned	Not Con- cerned	Too busy M	Not too busy	Worth it	Not worth it	Con- sider	Not con- sider
Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	12 100.0 8	100.0	100.0	100.0	100.0	0.0
1	C%	34.3	35.0	28.6	0.0	32.0	40.0	36.4	28.6	28.6	38.1	22.2	38.5	4 37.5 3	33.3	23.3	100.0	34.3	0.0
2	C%	22.9	30.0	14.3	50.0	24.0	20.0	27.3	21.4	21.4	23.8	22.2	23.1	0.0	29.6	26.7	0.0	22.9	0.0
3	C%	6 11.4 4	1 5.0 1	4 21.4 3	1 50.0 1	12.0 3	1 10.0 1	9.1 1	3 14.3 2	3 14.3 2	3 9.5 2	1 11.1 1	4 11.5 3	1 12.5 1	4 11.1 3	6 13.3 4	0.0	6 11.4 4	0.0
5	C%		5.0		0.0	4.0	0.0	0.0	7.1	0.0	4.8	0.0	3.8	0.0	3.7	3.3	0.0	2.9	0.0
6	C%	5.7	10.0	0.0	0.0	8.0	0.0	0.0	14.3	7.1	4.8	0.0	7.7	0.0	7.4	6.7	0.0	5.7	0.0
Don't know	C%	20.0	15.0	28.6	0.0	16.0	30.0	18.2	14.3	21.4	19.0	44.4	11.5	6 50.0 4	11.1	23.3	0.0	20.0	0.0
	MEAN:	2.11	2.29	1.89	2.50	2.30	1.57	1.63	2.75	2.20	2.06	1.80	2.18	1.50	2.22		1.00		*

NEEA Consumer Lighting Survey (3321) Q9B. How many did you remove? BASE: CFL purchasers who removed them

	=		======	======	======			======	== BANN	ER 2 ===						======	======	======	======
			FUTU	RE PURC	HASE	CFL						HOME E	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT	E COST
				Init-	Change					MOST RE	CENT								
			Init-	ially	Unlike		Not		Not	PURCHAS	E		Not		Not		Not		Not
														Too	too			Con-	con-
			-	-	-					Yes				-	busy			sider	
	-	A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Refused		1	0	1	0	1	0	1	0	1	0	0	1	0	1	1	0	1	0
	C%	2.9	0.0	7.1	0.0	4.0	0.0	9.1	0.0	7.1				0.0	3.7	3.3	0.0	2.9	0.0
		1	0	1	0	1	0	1	0	1	0	0	1	0	1	1	0	1	0
	MEAN:	2.11	2.29	1.89	2.50	2.30	1.57	1.63	2.75	2.20	2.06	1.80	2.18	1.50	2.22	2.36	1.00		*

	:	=====	FUTU	RE PURC	HASE	CFL				ER 2 ===		HOME E	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE .	AND
			ially	ially Un-	Unlike to	Instal	Not Instal	Store	Not Store	MOST RE	E 	Con-	Not Con-	Too	Not too	Worth	Not worth	Con-	Not con-
				likely						Yes I									sider R
Total	C%	51 100.0 35	100.0	100.0	100.0	100.0	100.0	100.0	100.0	21 100.0 14	31 100.0 21	100.0	100.0	12 100.0 8	40 100.0 27			100.0	0.0
It burned out	C%	9 17.1 6	20.0	7.1	50.0	24.0	0.0	27.3	21.4	14.3	19.0	11.1	19.2	37.5	11.1	13.3	40.0	9 17.1 6	0.0
You didn't like the color	C%		15.0 3	21.4	0.0		30.0	9.1	14.3	7.1		33.3	11.5	25.0	6 14.8 4		20.0	9 17.1 6	
It took too long to start up	C%	8.6 3	10.0	7.1		12.0	0.0	18.2	7.1		1 4.8 1	0.0		0.0	4 11.1 3		0.0	8.6 3	0.0
It wasn't bright enoug	gh C%	15 28.6 10	15.0	50.0	0.0		40.0	27.3	21.4	9 42.9 6	6 19.0 4	22.2	30.8	3 25.0 2	12 29.6 8	15 33.3 10		15 28.6 10	0.0
You didn't like the wait looked	ay C%	1 2.9 1	0.0	7.1	0.0	1 4.0 1	0.0	0.0	7.1	0.0	4.8 1	11.1	0.0	1 12.5 1	0.0	3.3	0.0	1 2.9 1	0.0
It didn't fit	C%	1 2.9 1	5.0	0.0	0.0	1 4.0 1	0.0	9.1	0.0	0.0	1 4.8 1	0.0		0.0	3.7 1	3.3	0.0	1 2.9 1	0.0
Other	C%	9 17.1 6	30.0 6	0.0		7 20.0 5		9.1		4 21.4 3	4 14.3 3	11.1	19.2	0.0	9 22.2 6		3 40.0 2	9 17.1 6	0.0

Q10A1. What was the MAIN reason for taking the bulb(s) out? Was it because:

BASE: CFL purchasers who removed bulbs

		=====	======	======			======		== BANN	ER 2 ===			======			======			======
			FUTU	RE PURC	HASE	CFL						HOME E	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT	E COST
				Init-	Change					MOST RE	CENT								
				-	Unlike					PURCHAS			Not		Not		Not		Not
		_												Too		Worth		Con-	
										Yes								sider	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Don't know		1	. 0	1	0	0	1	0	0	0	1	0	1	0	1	1	0	1	0
	C%	2.9	0.0	7.1	0.0	0.0	10.0	0.0	0.0	0.0	4.8	0.0	3.8	0.0	3.7	3.3	0.0	2.9	0.0
		1	. 0	1	0	0	1	0	0	0	1	0	1	0	1	1	0	1	0
Deficed		1	1	0	0	0	1	0	0	0	1	1	0	0	1	1	0	1	0
Refused	C%	2.9	5.0	0.0						0.0		11.1				3.3	0.0	2.9	0.0
	Ce	2.9	5.0	0.0						0.0						3.3			

 ${\tt BASE:}$ CFL purchasers who removed bulbs and had a reason for removing bulbs

			======	======					== BANN	ER 2 ===		======							======
			FUTU	RE PURC	HASE	CFL						HOME EI	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE .	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO I	DURING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT	E COST
				Init-	Change					MOST RE	ECENT								
			Init-	ially	Unlike		Not		Not	PURCHAS	SE		Not		Not		Not		Not
			ially		to	Instal			Store				Con-	Too	too		worth	Con-	con-
			_	_	_	-led				Yes		cerned		-	busy		it		sider
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total		48	28	19	3	37	12	16	21	21	28	12	37	12	37	41	7	48	0
	C%	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
		33	19	13	2	25	8	11	14	14	19	8	25	8	25	28	5	33	0
You didn't like the		3		_ 1	0	3		1	1	3	0		. 1	1	. 1	_ 3	0	3	0
color	С%							9.1					4.0		4.0				
		2	1	1	0	2	0	1	1	2	0	1	1	1	1	2	0	2	0
No other reason		45	26	18	3	34	12	15	19	18	28	10	35	10	35	38	7	45	0
	C%				100.0						100.0			87.5	96.0				
		31						10					24	7	24			31	

Q11. Thinking about all of the CFLs you recently purchased, how satisfied are you with them?

	===		FUTUF	RE PURCI	HASE	CFL INSTAL	LATION	CFL S'	TORAGE	ER 2 ===	URING	HOME EI	NERGY	CONSIDE IMPROVE	ER EE EMENTS	TO USE ENERGY	LESS	PRICE A	AND E COST
		I								MOST RE					Not		Not		Not
	Tot			Un- likely						Yes							worth it		con- sider
										I									
Total	C% 10		233 100.0 159	78 100.0 53	100.0	280 100.0 191	100.0	100.0	100.0	100.0		100.0	100.0	100.0	258 100.0 176	100.0	100.0	100.0	
1-not at all satisfied		16 5.0 11	1 0.6 1 C	18.9 10	7.7 1		17.2	1.8	5.3	7.0	10 4.8 7	9.8	3.9	4.8	13 5.1 9	4.1	4.8	4.9	7.1
2	C%	3 0.9 2	1 0.6 1	1.9	7.7 1	3 1.0 2	0.0	0.9	1.3	0.0	3 1.4 2	2.4	0.6	0.0	3 1.1 2	1.0	0.0	1.0	0.0
3	C%	12 3.6 8	0.6 1 C	11.3	3 15.4 2		10.3	2.7	3 2.7 2	7.0		2.4	3.9	4.8		4.1	0.0	3.4	7.1
4	C%	1 0.5 1	0.6 1	0.0	0.0	0.5 1	0.0	0.0	1.3	1.8	0.0	0.0	0.6	0.0	1 0.6 1	0.5	0.0	0.5	0.0
5	C%	29 9.1 20	12 5.0 8 C	11	7.7 1	21 7.3 14	20.7	5.4	10.7	7.0		17.1	7.3		23 9.1 16	9.2		28 9.3 19	7.1
6	C%	10 3.2 7	9 3.8 6	1 1.9 1	7.7 1	7 2.6 5	6.9	1.8	4.0	0.0	4.1	7.3	2.2	7.1	2.3	3.6	0.0	3.4	0.0

Q11. Thinking about all of the CFLs you recently purchased, how satisfied are you with them?

					======				== BANN	ER 2 ===		======							======
										PROMO D		USAGE		CONSIDE IMPROVE	EMENTS	ENERGY		PRICE OPERAT	
			Init-	ially	Unlike		Not		Not	MOST RE PURCHAS	E		Not		Not		Not		Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs		No	cerned	cerned	Too busy	busy	it	it	sider	sider
		A	Б	C	D	Б	r	g	11	Δ.	O	K	п	1-1	IV	O	r	Q	IV.
7	C%	25 7.7			1 7.7	22 7.9				4 5.3	19 8.9	4 7.3			19 7.4	22 7.7	3 9.5	25 8.3	
		17	15	2	1	15					13			4	13	15	2	17	
8		60									38								
	C%	18.6 41						22.3 25			17.8 26			19.0 8					
9		29	25	4	3	28	1	16	12	9	19	4	25	7	22	25	4	25	4
	C%	9.1 20			15.4 2					10.5 6	8.9 13	7.3		11.9 5			14.3		
10-Very Satisfied		132	111	16	3	123	۵	78	41	31	00	21	110	10	110	123	9	123	7
10-very Satisfied	C%	40.9	47.8	20.8	15.4		20.7	47.3	37.3	36.8		34.1	42.1	31.0	42.6	42.9	28.6	41.2	35.7
		50	C			01	Ü	33	20	21	00		, ,	13	, 5	01	Ü	01	3
Don't know	C%	4 1.4	1 0.6				4 10.3			1 1.8	3 1.4		4 1.7	1 2.4	3 1.1				
		3	1	2	1	0	3	0	0	1	2				2	2	1	2	1
	MEAN:	7.89	8.61 CD				5.65 E			7.66		7.07 L			7.93	7.95	8.00	7.88	7.85

Q12A. How would you rate the CFLs you have recently purchased in terms of... The color of the light they provide?

	====		RE PURC	HASE	CFL INSTAL	LATION	CFL S'	TORAGE	PROMO D	URING	HOME EI USAGE	NERGY	CONSIDE IMPROVE	ER EE EMENTS	TO USE ENERGY	LESS	PRICE .	AND E COST
	m. b. l	ially	ially Un-	Unlike to	Instal	Not Instal	Store	Not Store	MOST RE	E 	Con-	Not Con-	Too	Not too	Worth	Not worth	Con-	Not con-
		Likely																
Total	C% 100.	3 233 0 100.0 0 159	100.0		100.0	100.0		100.0	100.0	100.0	100.0	100.0		100.0	100.0		100.0	
1-Not at all satisfied		5 1.9 2 3	17.0	1	3.1	20.7	3.6	2.7	7 8.8 5	4.1	9.8	4.5	4.8	5.7	5.1	4.8	5.9	0.0
2	C% 4.	5 9 5 3.8 0 6		15.4	3.7	10.3	2.7	5.3		3.4	2.4	5.1	7.1	4.0	4.6	4.8	4.4	7.1 1
3	C% 19.	3 44 5 18.9 3 30	22.6	23.1	19.9	17.2		18.7		19.9	26.8	18.0		17.0 30	19.9 39	19.0	20.6	7.1 1
4	C% 22.	2 57 3 24.5 9 39	17.0		24.1	10.3		20.0		19.9		23.6	14.3	24.4	21.4	23.8		28.6
5-Very satisfied		1 109 6 46.5 6 74	30.2 16	30.8 4		20.7	44.6	53.3	29 35.1 20	47.9	36.6	45.5	38.1	44.9	44.4	42.9	43.1	
Don't know	C% 4.	5 4.4	5.7	7.7	2.1	20.7	3.6	0.0	1 1.8 1	4.8	7.3	3.4	4.8	4.0	4.6	4.8	4.4	7.1
MEAN	r: 3.9		3.38 B					4.16	3.75	4.09	3.74	4.04	3.78	4.03	4.00	4.00	3.96	4.31

Q12B. How would you rate the CFLs you have recently purchased in terms of... The brightness of the light they provide?

	=	=====	FUTUI	RE PURC	HASE	CFL				ER 2 ===		HOME E		CONSIDE	R EE	TO USE		PRICE A	AND
			Init-	Init- ially	Change Unlike		Not		Not	PROMO D MOST RE PURCHAS	CENT E		Not		Not		Not		Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy		it	sider	sider
Total	C%	323 100.0 220	100.0	78 100.0 53		280 100.0 191	43 100.0 29	100.0	100.0		214 100.0 146		100.0	62 100.0 42	258 100.0 176	100.0		100.0	
1-Not at all satisfie	d C%	18 5.5 12	2.5	8				3.6	6.7		12 5.5 8	9.8	4.5	7.1	13 5.1 9	5.1			7.1
2	С%	22 6.8 15	2.5	11	23.1 3	6.3	10.3	7.1	5.3	12 14.0 8 J	10 4.8 7 I	4.9	7.3	7.1	18 6.8 12	7.7	0.0	7.4	0.0
3	C%	48 15.0 33	15.1	12 15.1 8	7 38.5 5	14.7	7 17.2 5	14.3	16.0	15 17.5 10	31 14.4 21	16 26.8 11 L	12.4 22	26.2 11	32 12.5 22 M	16.3 32	4.8	14.7	21.4 3
4	C%	84 25.9 57	29.6	13 17.0 9	0.0	27.7	13.8	28.6	25.3	15 17.5 10	63 29.5 43	14.6	28.7	31.0	65 25.0 44	25.0	12 38.1 8	26.0	21.4
5-Very satisfied	C%	144 44.5 98	49.1	28.3 15	30.8	46.1		45.5	46.7	43.9	95 44.5 65	25 41.5 17	45.5	16 26.2 11 N	126 48.9 86 M	43.4 85	57.1	44.6	9 42.9 6
Don't know	C%	7 2.3 5				0.5	6 13.8 4	0.9	0.0	1 1.8 1	3 1.4 2	2.4	1.7	2.4	1.7 3	2.6			
MEA	N:	4.00	4.22 CD	3.24 B	3.42 B		3.60	4.06	4.00	3.82	4.04	3.75	4.05	3.63 N	4.08 M		4.52 O		4.00

Q12C. How would you rate the CFLs you have recently purchased in terms of... The amount of time they take to light up?

	==	====	FUTUE	RE PURCI	HASE	CFL				ER 2 ===		HOME EI		CONSIDE	R EE	TO USE	LESS	PRICE A	AND
			Init- ially Likely	Init- ially Un- likely	Change Unlike to Likely	Instal	Not Instal	Store	Not Store CFLs	MOST REPURCHAS	ECENT SE No	Con-	Not Con- cerned		Not too busy	Worth	Not worth it	Con-	Not con- sider
Total	C% 1	323 00.0 220	233 100.0 159	78 100.0 53	100.0		43 100.0 29	100.0	100.0	100.0	214 100.0 146	60 100.0 41	261 100.0 178	100.0	258 100.0 176		100.0	100.0	21 100.0 14
1-Not at all satisfied	d C%	22 6.8 15	10 4.4 7 C	8	2		10.3		9.3	12.3	10 4.8 7	4 7.3 3	18 6.7 12	7.1	18 6.8 12	7.1	0.0	6.4	3 14.3 2
2	C%	26 8.2 18	19 8.2 13		23.1	7.9	10.3	8.0	6.7	3.5	21 9.6 14		21 7.9 14	7.1	22 8.5 15	9.2	0.0	8.8	0.0
3	C%	62 19.1 42	45 19.5 31		15.4	19.4	17.2	20.5	17.3	19.3	43 19.9 29	13 22.0 9	48 18.5 33	23.8	47 18.2 32	18.9	23.8	20.1	7.1
4	C%	63 19.5 43	50 21.4 34	15.1	15.4	22.5	0.0	23.2	22.7	21.1	41 19.2 28	9.8	57 21.9 39	21.4	48 18.8 33	20.4	9.5	20.1	
5-Very satisfied	C%	132 40.9 90	100 42.8 68	26 34.0 18	23.1	41.4	37.9	42.0	41.3	40.4	88 41.1 60	28 46.3 19	104 39.9 71	35.7	110 42.6 75	113 39.3 77	57.1	39.7	12 57.1 8
Don't know	C%	18 5.5 12	9 3.8 6 C		_	2.6	24.1	1.8	2.7	3.5	12 5.5 8	4.9	13 5.1 9	4.8	13 5.1 9	5.1	9.5	4.9	7.1
MEA	и:	3.84	3.93	3.49	3.08	3.87	3.59	3.92	3.82	3.76	3.87	3.82	3.85	3.75	3.86	3.80 P			4.08

Q12D. How would you rate the CFLs you have recently purchased in terms of... Their compatibility with dimmer and three-way switches?

	=	:====:	FUTUI	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	ER 2 ===	URING	HOME E	NERGY	CONSIDE IMPROVE	R EE MENTS	TO USE ENERGY	LESS	PRICE A	AND E COST
			Init- ially	ially	Unlike		Not		Not	MOST RE	EΕ		Not	Too	Not	Worth	Not	Con-	Not
					Likely					Yes I				busy M			it P	sider Q	
Total	C%	323 100.0 220	233 100.0 159	78 100.0 53	100.0		43 100.0 29	100.0	100.0		214 100.0 146			62 100.0 42	258 100.0 176	100.0		100.0	100.0
1-Not at all satisfied		32 10.0 22	8.2	13 17.0 9	23.1		7 17.2 5	9.8	8.0		21 9.6 14		9.6		26 10.2 18	10.7	1 4.8 1	10.8	0.0
2	C%	18 5.5 12	10 4.4 7	7 9.4 5	23.1	5.8		5.4	6.7	7.0	12 5.5 8	2.4	6.2		15 5.7 10	4.6		4.9	14.3
3	C%	18 5.5 12	15 6.3 10		0.0	5.8		5.4	6.7	7.0	12 5.5 8	7.3	5.1	9.5	12 4.5 8	6.1			7.1
4	C%	18 5.5 12	16 6.9 11	1.9	7.7	5.8	3.4	4.5	6.7	3.5	13 6.2 9	7.3	5.1	4.8	15 5.7 10	5.6	4.8	5.9	0.0
5-Very satisfied	C%	44 13.6 30	34 14.5 23	9 11.3 6	0.0	14.1	10.3 3	13.4	13.3	14.0	29 13.7 20	6 9.8 4	14.6	9.5	38 14.8 26	13.3	6 19.0 4	12.7	21.4
Don't know	C%	192 59.5 131	138 59.1 94	44 56.6 30	46.2	59.2	62.1	61.6	57.3	54.4	126 58.9 86	58.5	59.6	61.9	151 58.5 103	59.2	66.7	59.8	57.1
MEAN	:	3.18	3.38 CD	2.57 B			2.64	3.16	3.26	2.92	3.22	3.00	3.22	3.00	3.22	3.15	3.86	3.12	3.67

Q12D. How would you rate the CFLs you have recently purchased in terms of... Their compatibility with dimmer and three-way switches? BASE: CFL purchasers

	=		======	======	======				== BANN	ER 2 ===:	=====	======	.=====		======	======		======	======
				RE PURC		CFL						HOME EN		CONSIDE	R EE	TO USE	LESS	PRICE .	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	USAGE		IMPROVE	MENTS	ENERGY		OPERAT	E COST
					_					MOST RE									
					Unlike		Not		Not	PURCHAS			Not		Not		Not		Not
	_		ially				Instal		Store				Con-	Too				Con-	con-
			-	-	Likely							cerned		_	busy		it	sider	
	-	A	B		D	E	F	G	H	I		K	P	IvI	1/1	0	P	Q	K
Refused		1	1	0	0	1	0	0	1	0	1	1	0	0	1	1	0	1	0
	C%	0.5	0.6	0.0	0.0	0.5	0.0	0.0	1.3	0.0	0.7	2.4	0.0	0.0	0.6	0.5	0.0	0.5	0.0
		1	1	0	0	1	0	0	1	0	1	1	0	0	1	1	0	1	0
												L	K						
		2 10	2 20	0 57	1 06	2 06	0.64	2 16	2 06	0.00	2 00	2 00	2 00	2 00	2 00	2 15	2.06	2 10	2 67
	MEAN:	3.18	3.38	2.57	1.86	3.26	2.64	3.16	3.26	2.92	3.22	3.00	3.22	3.00	3.22	3.15	3.86	3.12	3.67

CD

В

В

Q12E. How would you rate the CFLs you have recently purchased in terms of... The way they fit into light fixtures?

	====:		JRE PURC	HASE	CFL INSTAL	LATION	CFL S'	TORAGE	PROMO D	URING	HOME EN	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE .	AND E COST
		Init- ially	ially	Unlike		Not		Not	MOST RE	EΕ		Not		Not		Not		Not
		Likely																
Total	C% 100	23 233 0 100.0 20 159	100.0		100.0	100.0	164 100.0 112	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	21 100.0 14
1-Not at all satisfied	d C% 3	6 3.1	7 4 5.7 5 3	15.4	2.6	10.3	3.6	1.3	1 1.8 1	4.8	3 4.9 2	3.4		4.0	12 4.1 8	0.0	3.4	7.1 1
2	C% 5	18 15 15 6.3 12 10	3.8		6.3			8.0	4 5.3 3	6.2	4.9	5.6	4.8	5.7	15 5.1 10	9.5	5.4	7.1 1
3	C% 13	13 29 2 12.6 29 20	13.2		12.6	17.2	16.1	8.0	12 14.0 8	13.0	17.1		16.7		13.3	14.3	13.7	
4	C% 19	53 44 5 18.9 13 30	24.5	30.8		17.2	22.3	16.0	22.8		19.5	19.7	23.8	48 18.8 33	20.4		19.6	21.4
5-Very satisfied	18 C% 55 12		47.2	30.8		44.8		66.7 50	52.6 30	56.2		56.7	50.0		55.1	61.9	55.4	12 57.1 8
Don't know	C% 2	7 3 3 1.3 5 2		7.7	1.0	10.3	1.8	0.0	3 3.5 2	2.1	2.4	2.2	2.4	2.3	2.0	4.8	2.5	0.0
MEAN	1: 4.	21 4.24	4.10	3.67	4.25	3.96	4.16	4.39	4.24	4.17	4.10	4.24	4.17	4.22	4.20	4.30	4.21	4.14

Q12F. How would you rate the CFLs you have recently purchased in terms of... The way they look in light fixtures?

	====:	FUTU	RE PURC	HASE	CFL INSTAL	LATION	CFL S'	TORAGE	ER 2 === PROMO D	URING	HOME EN	NERGY	CONSIDE	R EE MENTS	TO USE ENERGY	LESS	PRICE OPERAT	AND E COST
		ially	ially Un-	Unlike to	Instal	Not Instal	Store	Not Store	MOST RE	E 	Con-	Not Con-	Too	Not too	Worth	Not worth	Con-	Not con-
									Yes I									
Total	C% 100.		100.0		100.0	100.0		100.0		100.0		100.0		100.0	100.0		100.0	
1-Not at all satisfied	C% 4.	L 5.0	1.9	0.0	3.7	6.9	4.5	2.7	4 5.3 3	3.4	0.0	5.1	0.0	5.1	4.6	0.0	3.4	14.3
2	39 C% 10.9	8.2	20.8 11	46.2 6	8.4	27.6	8.0	8.0	12 14.0 8	10.3	7.3	11.2	11.9	10.2	9.7	23.8	11.8	0.0
3	C% 20.	5 48 0 20.8 4 33	18.9		21.5	10.3	23.2	18.7	12 14.0 8	21.9	29.3	18.0	19.0	20.5	20.4	14.3	20.6	
4	5: C% 16.4		7.5 4	15.4 2	17.8	6.9	16.1	18.7	18 21.1 12	15.1	19.5	15.7	14.3		16.3	14.3	16.7	
5-Very satisfied	128 C% 39.8	40.9	34.0	15.4	41.4	27.6	40.2	45.3	34 40.4 23	40.4	31.7	41.6		38.6	39.3	47.6	38.7	
Don't know	29 C% 9.3 20	L 5.0	17.0 9	15.4 2	7.3	20.7	8.0	6.7	5.3 3	8.9	12.2	8.4	9.5	8.5	9.7	0.0	8.8	
MEAN	3.8		3.61					4.03	3.81	3.86	3.86	3.85	4.03	3.81	3.84	3.86	3.83	3.83

Q12G. How would you rate the CFLs you have recently purchased in terms of... How long they last before burning out?

	=====		RE PURC	HASE	CFL INSTAL	LATION	CFL S'	TORAGE	PROMO D	URING	HOME E	NERGY	CONSIDE	ER EE EMENTS	TO USE ENERGY	LESS	PRICE OPERAT	AND E COST
	Total		ially Un-	Unlike to	Instal	Not Instal	Store	Not Store	MOST RE PURCHAS Yes	E 	Con-	Not Con-	Too	Not too	Worth	Not worth	Con-	Not con-
		B															Q	R
Total	32 C% 100.	100.0	100.0	100.0		100.0	100.0	100.0	100.0		100.0	100.0	100.0	258 100.0 176	100.0	100.0	100.0	
1-Not at all satisfied	C% 4.		9.4 5	15.4 2	3.7		1.8	6.7	5.3	3.4	4.9	3.9	2.4	4.5	4.1		4.4	0.0
2	C% 2.	7 6 3 2.5 5 4	1.9	0.0	2.1	3.4		2.7	1.8	2.7		1.7	2.4	2.3	2.6	0.0	2.5	0.0
3	2 C% 6.1	3 5.7	9.4	7.7		6.9	5.4		6 7.0 4	6.8	7 12.2 5	5.6	11.9	5.7	21 7.1 14	0.0	6.9	7.1 1
4		38 0 16.4 3 26	13.2	7.7	15.7	10.3	17.0	14.7	12 14.0 8	15.8		13.5	16.7	14.8	14.8	19.0	14.7	4 21.4 3
5-Very satisfied	18 C% 56. 12	63.5	37.7 20	38.5 5		37.9	59.8	58.7	45 54.4 31	56.2	39.0	60.7 108	47.6 20		58.7	47.6	57.4	10 50.0 7
Don't know	2 C% 15.	10.1	28.3 15	30.8 4	12.0	34.5	14.3	8.0	15 17.5 10	15.1	17.1	14.6	19.0	37 14.2 25	12.8		14.2	21.4 3
MEAN	: 4.3	9 4.52 C	3.95 B		4.43	4.05	4.53	4.26	4.34	4.40	4.03	4.47	4.29	4.40	4.39	4.47	4.38	4.55

NEEA Consumer Lighting Survey (3321) M10. In general, what are the best features of CFLs? BASE: CFL purchasers

	=	:====:	FUTU	RE PURC	HASE	CFL				ER 2 ===		HOME EI		CONSIDE	R EE	TO USE		PRICE A	AND
			Init- ially	Init- ially Un-	Change Unlike to	Instal	Not Instal	Store	Not Store	MOST RE	CENT E	Con-	Not Con-	Too	Not too	Worth	Not worth	Con-	Not con-
								CFLs G		Yes I				busy M			it P	sider Q	
Total	C%	323 100.0 220	233 100.0 159	100.0	100.0	280 100.0 191	43 100.0 29	100.0		84 100.0 57	214 100.0 146		261 100.0 178	62 100.0 42	258 100.0 176	287 100.0 196	31 100.0 21	299 100.0 204	21 100.0 14
Lasts longer before burning out	C%	150 46.4 102	122 52.2 83 C	32.1 17	9 46.2 6		10 24.1 7	51.8	50 45.3 34	32 38.6 22	107 50.0 73	25 41.5 17	123 47.2 84	38 61.9 26 N	109 42.0 74 M	139 48.5 95	10 33.3 7	141 47.1 96	
Reduces electricity bill / Saves money	C%	73 22.7 50	57 24.5 39	15.1	23.1	23.6	7 17.2 5	18.8	34 30.7 23	13 15.8 9	54 25.3 37	15 24.4 10	57 21.9 39	12 19.0 8	60 23.3 41	69 24.0 47	4 14.3 3	73 24.5 50	0.0
Saves / conserves energy	C%	144 44.5 98	110 47.2 75	37.7	6 30.8 4		22 51.7 15	39.3	53 48.0 36	37 43.9 25	95 44.5 65	29 48.8 20	114 43.8 78	21 33.3 14	123 47.7 84	133 46.4 91	10 33.3 7	138 46.1 94	6 28.6 4
Resource conservation benefits	C%	15 4.5 10	12 5.0 8	0.0	0.0	4.7	3.4 1	3.6	6.7	3 3.5 2	10 4.8 7	0.0	15 5.6 10	4.8	12 4.5 8	15 5.1 10	0.0	12 3.9 8	14.3
It works better/ is higher quality	C%	34 10.5 23	29 12.6 20 C	1.9 1		10.5	10.3 3	7.1	16.0	9 10.5 6	23 11.0 16	7 12.2 5	25 9.6 17	9 14.3 6	22 8.5 15	26 9.2 18	19.0 4	28 9.3 19	
Other	C%	9 2.7 6	1.9 3	3.8	1 7.7 1		3.4 1	4.5	0.0	3 3.5 2	2.1 3	0.0	9 3.4 6	0.0	9 3.4 6	7 2.6 5	1 4.8 1	9 2.9 6	0.0
Don't know	C%	22 6.8 15	6 2.5 4 C	18.9 10	7.7 1	5.2	7 17.2 5	4.5	6.7	5.3 3	13 6.2 9	14.6	13 5.1 9 K	3	18 6.8 12	16 5.6 11	3 9.5 2	16 5.4 11	

	:	=====	FUTU:	RE PURC	HASE	CFL				ER 2 === PROMO D		HOME EI		CONSIDE	ER EE	TO USE	LESS	PRICE .	AND
					Unlike		Not		Not	MOST RE	EΕ		Not	Too	Not		Not worth		Not
					Likely					Yes I							it P		sider R
Total	C%	280 100.0 191	100.0	100.0	100.0	280 100.0 191	0.0	100.0	100.0	78 100.0 53	180 100.0 123	45 100.0 31	235 100.0 160		223 100.0 152		25 100.0 17	100.0	100.0
1-Not at all like	ly C%	15 5.2 10	0.7	24.3 9	22.2		0.0	2.7	9.3 7	6 7.5 4	7 4.1 5	9.7	4.4	2.6	13 5.9 9	5.3	0.0	5.6	0.0
2	C%	1.6 3	0.7	5.4	0.0	1.6 3	0.0	1.8	1.3	1.9	3 1.6 2	3.2	1.3	2.6	3 1.3 2	1.8	0.0	1.7	0.0
3	C%	35 12.6 24	11.0	21.6	33.3	12.6	0.0	9.8	16.0	15.1	22 12.2 15	12.9	12.5	18.4	25 11.2 17		0.0	12.8	10.0
4	C%	37 13.1 25	13.0	13.5	22.2		0.0	12.5		10 13.2 7	22 12.2 15	12.9		21.1	25 11.2 17			14.0	0.0
5-Very likely	C%	186 66.5 127	73.3	35.1 13	22.2	66.5	0.0	73.2	57.3 43	48 62.3 33	125 69.1 85	61.3	158 67.5 108	55.3	154 69.1 105			65.4	
Don't know	C%	3 1.0 2	1.4	0.0	0.0	3 1.0 2	0.0	0.0	2.7		0.8 1	0.0	3 1.3 2	0.0	3 1.3 2	1.2	0.0	0.6	0.0
	MEAN:	4.35	4.60 CD	3.30 B		4.35	*	4.52 H			4.42	4.13	4.40	4.24	4.38	4.34 P	4.71 O	4.33 R	4.80 Q

	=	=====	FUTUI	RE PURCI	HASE	CFL				ER 2 ===		HOME EI		CONSIDE	ER EE			PRICE A	AND
			Init-	Init- ially	Change Unlike		Not		Not	MOST RE	CENT SE		Not		Not		Not		Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy		it	sider	sider
Total	C%	560 100.0 560	100.0	194 100.0 217	51 100.0 51	100.0	100.0	100.0	100.0		214 100.0 146	100.0	100.0	100.0	410 100.0 389	100.0		499 100.0 488	53 100.0 62
1-Not at all likely		140 25.0 155	0.0	140 72.1 155 BD	25 49.0 26 BC	13.6 26	41.4	11.6	17.3	21.1	37 17.1 25	38.8	20.5 89	34.7 61	88 21.5 90 M	23.2 124	36.5 28	123 24.6 133	26.8
2	C%	54 9.7 62	0.0	54 27.9 62 BD	51.0 25	5.8 11	13.8	8.0	2.7	14.0	9 4.1 6 I	8.7 18	10.1	12.6	36 8.9 38	9.4		46 9.2 51	15.5
3	C%	104 18.5 106	30.5	0 0.0 0 B	0.0	15.7	20.7	13.4	18.7	12.3	35 16.4 24	20.0	17.4	20.0	73 17.8 74	19.5	12.6	18.2	24.0
4	C%	68 12.1 67	19.9	0 0.0 0 B		14.7 28	3.4		16.0	15.8	25 11.6 17	8.8	13.3	9.6	53 13.0 51	12.1	7 10.7 5	63 12.7 62 R	4.1
5-Very likely	C%	169 30.1 141	49.6	0 0.0 0 B	0.0	46.1 88	20.7	49.1	41.3	35.1	100 46.6 68	20.3	115	20.6 25	139 33.9 115 M	31.8 130	20.6	30.5	28.7
Don't know	C%	26 4.6 29	0.0	0.0	0.0	4.2	0.0	4.5	4.0	1.8	9 4.1 6	3.3		2.4	20 4.9 21	4.1	7.4	24 4.8 26	1.0
MI	EAN:	3.13	4.19 CD	1.28 BD	1.51 BC				3.64	3.30	3.69	2.62 L			3.31 M		2.64 O	3.16	2.92

	=	=====	FUTU	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	ER 2 ===	URING	HOME EI USAGE	NERGY	CONSIDE IMPROVE	ER EE EMENTS	TO USE ENERGY	LESS	PRICE OPERAT	AND E COST
				ially	Unlike		Not		Not	MOST RE	SE		Not	Too	Not		Not		Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs		No	cerned	cerned	busy	busy	it	it	sider	sider
Total	C%	107 100.0 155	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	100.0	79 100.0 113	100.0	100.0	100.0	100.0
Saves energy/efficient		28 25.8 41	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0.0	20.4	28.3	25.8	21 26.4 31	26.0	23.7	28.2	13.3
Saves money on electricity	C%	21 19.9 33	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0.0	17.5	21.2	14.9	16 20.7 24	20.8	7.2	19.0	26.4
Last longer	C%	12 10.9 16	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	10.7	10.3	8 10.3 11	11.2	7.2	12.3	3.3
Curious/To try them	C%	17 15.6 24	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0.0	19.8	14.4	15.5	13 16.1 18	13.7	42.8	16.6	10.9
Might try them with coupon/discount	C%	1 0.8 1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0.0	0.0	1.1	0.0	1 1.1 1	0.8	0.0	0.9	0.0
Interested but need more information	C%	4 3.3 5	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	2.2	3.2	3 3.4 4	3.5	0.0	_	8.8
Provide better light	C%	2 1.6 2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0			2.2			1.7	0.0		5.5

F1B. Why are you likely to purchase CFLs in the next year?

BASE: Likely to purchase CFLs

									== BANN	ER 2 ===	=====	======							
			FUTU:	RE PURC	HASE	CFL						HOME E	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT	E COST
					_					MOST RE									
				-	Unlike		Not		Not	PURCHAS			Not		Not		Not		Not
			ially				Instal		Store					Too			worth	Con-	con-
			-	-	Likely				CFLs			cerned		_	busy		it_	sider	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Other		5	5	0	0	0	0	0	0	0	0	0	5	0	5	5	0	4	1
	C%	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	5.7	4.5	0.0	4.4	3.3
		7	7	0	0	0	0	0	0	0	0	0	7	0	7	7	0	6	1
Don't know		18	18	0	0	0	0	0	0	0	0	8	10	6	12	17	1	13	4
	C%	17.0	17.0	0.0	0.0	0.0	0.0			0.0	0.0	26.7			15.2	16.9	19.1	14.4	28.5
		25	25	0	0	0	0	0	0	0	0	10	14	9	16	23	2	18	6
												L	K						
Refused		1	1	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0
	C%	0.8	0.8								0.0			3.2			-	0.9	

	=	=====				======================================													
										PROMO DURING		USAGE		CONSIDER EE IMPROVEMENTS		ENERGY		PRICE AND OPERATE COST	
			Init- ially	ially	Change Unlike to		Not		Not	MOST RECENT PURCHASE		Not Con- Con-		Too	Not		Not worth		Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs		No	cerned	cerned	busy	busy	it	it	sider	sider
Total	C%	89 100.0 131	89 100.0 131	0.0	0.0		0.0	0.0	0.0	0.0	0.0	21 100.0 32	67 100.0 98	19 100.0 29	68 100.0 99	100.0		100.0	100.0
Saves energy/efficient	; C%	9 9.7 12	9 9.7 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8 11.7 11	2 11.5 3	7 9.5 9	9.8	8.9	10.5	4.6
Saves money on electricity	C%	2 2.6 4	2 2.6 4	0.0			0.0		0.0		0.0		2 2.7 3	0.0	2 3.4 4	1.8	14.7	3.0	0.0
Last longer	C%	5 5.4 7	5 5.4 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2 7.9 2	3 4.7 5	7.1 2	4 5.1 5	4.8		4 4.9 5	9.3 2
Curious/To try them	C%	1 0.6 1	1 0.6 1	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	1 0.8 1	0.0	1 0.7 1	0.6	0.0	1 0.6 1	0.0
Provide better light	C%	3 2.8 3	3 2.8 3	0.0			0.0		0.0		0.0		3 3.7 3	0.0	3 3.7 3	1.0	29.3		
Other	C%	2 1.9 2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2 2.5 2		2 2.4 2	1.0	14.7		
No other reason	C%	72 80.9 107	72 80.9 107	0.0	0.0		0.0	0.0	0.0	0.0	0.0	85.7	53 79.1 78	15 81.4 24	55 80.2 80	83.2		81.2	

	=	-====	FUTU	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	ER 2 ===	URING	HOME EN	NERGY	CONSIDE IMPROVE	ER EE EMENTS	TO USE ENERGY	LESS	PRICE A	AND E COST
					Unlike		Not		Not	MOST RE	E		Not	Too	Not	Worth	Not		Not
			Likely							Yes I		cerned					it P	sider Q	
Total	C%	220 100.0 246	0.0	100.0		100.0	100.0	100.0	100.0		54 100.0 37	100.0	100.0	100.0	145 100.0 149	100.0		193 100.0 210	100.0
Too costly/expensive	C%	13 6.1 18	0.0	6.2	4.9	2.2	0.0	0.0	5.6	0.0	1 2.7 1	4.4	6.9	8.3	7 5.2 9	5.8	5.2	5.9	2.2
Storing a bunch/bought multi-pack, don't need		47 21.4 49	0.0	22.4	0.0	40.0	0.0	51.9	22.2	42.9	13 24.3 9	26.0	19.2	19.7	33 22.5 32	21.4	8 22.5 8	43 22.4 44	
Used to regular bulbs/ happy with them		17 7.6 21	0.0	8.4	7 14.4 8	2.2	6.3	0.0	5.6	0.0	3 5.4 2	12.9	5.1 9	12.0 11	7 5.2 9	7.4	8.5		5.9
Don't like light/Not bright	C%	38 17.1 33	0.0	19.3		17.8	56.3	11.1	27.8	23.8	15 27.0 10	14.6	18.4		27 18.6 22	18.5	4.2		
Don't need any lights	C%	20 9.1 21	0.0	10.0		8.9	12.5	7.4	11.1	4.8	7 13.5 5	12.4	7.5	10.1	13 8.9 12	8.6	5 13.1 4	7.9	17.4
Don't sell in this are /hard to find		3 1.3 3	0.0	1.2	4.5	0.0	6.3	0.0	0.0	4.8	0.0	0.0	1.9	0.0	3 1.9 3	1.6	0.0	1.0	0.0
Don't fit my fixtures	C%	8 3.7 8	0.0	4.2	7.4	4.4		3.7	5.6			4 6.2 5	2.6		3 2.0 2	3.7			3.7

FZA. Why are you unlikely to purchase CFLs in the next year? BASE: Unlikely to purchase

	====	FUTU	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO D'	URING	HOME E	NERGY	CONSIDE IMPROVE	ER EE EMENTS	TO USE ENERGY	LESS	PRICE A	AND E COST
		Init-	ially	Unlike		Not		Not	PURCHAS	E		Not		Not		Not		Not
	Total	ially Likely	Un- likely						Yes				Too			worth it	Con- sider	
									I									
Burn out too fast		3 0 4 0.0		2 4.5	4 6.7					4 8.1				7 4.6		1 4.2		
Ca		5 0								3		6	1					
Not interested	% 3. 1		4.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	5.6	3.2	5.4	5 3.4 7	2.9	10.0 5	3.1	11.8
Don't know enough about them to decided C%	1 % 7.	4 0.0	7.5	14.8	0.0	6.3	0.0	0.0	4.8	0.0	5.6	8.4	8.5	10 7.2 14	7.8	6.7	7.5	8.1
Don't have to buy any	% 1.		2.0			0.0	0.0	0.0	0.0	0.0	1.9	1.7	1.2	2.1	2.1	0.0	1.6	3.7
Other C%		1 0 7 0.0 1 0	0.8	0.0	2.2	0.0	0.0	5.6	4.8	0.0	2.0	0.0	0.0	1.0 1.1	0.8	0.0	0.8	0.0
Don't know	3 % 17.	0.0	11.9	12.4	15.6	0.0	11.1	22.2	9.5	6 10.8 4	11.4	20.8	15.2	26 18.1 30	17.5	21.0	17.9	17.6
Refused Ca	% 0.		0.8		1 2.2 1	0.0	3.7	0.0	0.0	1 2.7 1	0.0	1.0	0.0	1 1.0 1	0.8	0.0	0.8	

	-		======	======					== BANN	ER 2 ===	.=====					======	======	======	======
				RE PURC		CFL						HOME E	NERGY	CONSIDE		TO USE		PRICE A	
										PROMO I				IMPROVE		ENERGY		OPERATI	E COST
			Init-		Unlike		Not		Not	PURCHAS			Not		Not		Not		Not
			ially				Instal	Store	Store			Con-	Con-	Too	too	Worth	worth	Con-	con-
			-	-	-	-led				Yes				-	-	it		sider	
	-	A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total		134																	
	C%	100.0				100.0 19	100.0 16		100.0	100.0	100.0		100.0 93		100.0			100.0 122	
		14/	U	130	45	19	10	9	10	10	23	34	93	57	00	119	24	122	20
Too costly/expensive		1	0	1	1	1	0	1	0	1	0	0	1	0	1	1	0	1	0
100 Costly/expensive	C%	1.1			3.3										1.7	1.3	0.0	1.3	0.0
		1	0	1	1	1		1			0				1	1	0	1	0
Don't like light/Not		1	0	1	1	0	0	0	0	0.0	0	0	1	1	0	1	0	1	0
bright	С%	0.6	0.0	0.7	1.9				0.0	0.0	0.0			1.8	0.0	0.8	0.0	0.7	0.0
		1	0	1	1	0	0	0	0	0	0	0	1	1	0	1	0	1	0
No other reason		132	0	125	42	26	23	12	15	13	34	45	86	45	85	108	20	112	16
no conce readon	С%	98.3					100.0			90.0							100.0		
		145		136			16		1.0							117			

		=====		RE PURC		CFL	=====	======	== BANN	ER 2 ===	=====			CONSIDE				PRICE .	
										PROMO D						ENERGY		OPERAT	
				ially	Unlike		Not		Not	PURCHAS	EΕ		Not		Not	Worth	Not		Not
										Yes I									sider R
Total	C%	145 100.0 141	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	41 100.0 28	100.0	100.0	100.0	101 100.0 94	100.0	19 100.0 20	128 100.0 123	100.0
1-Not at all like	-	52 36.1 52	0.0	39.6	0.0	7		15.4	35.7	33.3	15 35.7 10	49.2	30.9 31	51.3 23	30 30.1 28 M	35.9 43	7 34.7 8		49.3
2	C%	19 12.9 17	0.0	13.9	0.0	14.8	18.8	7.7	21.4	16.7	6 14.3 4	7.7	14.9	11.7	14 13.7 12	12.1		18 13.9 16	5.8
3	C%	27 18.7 28	0.0	20.0	50.2 26	3	18.8	15.4	7.1	16.7	6 14.3 4	15.9	19.9	21.3	18.3 19	20.1	13.0	17.5	27.5
4	C%	14 9.8 14	0.0	8.2	20.6	14.8	0.0	23.1	7.1	16.7	1 3.6 1	4.1	12.0	6.1	11.6	8.5	19.6	10.5	5.8
5-Very likely	C%	19 13.4 18	0.0	11.6	29.2 14	22.2	6.3	23.1	21.4	16.7	7 17.9 5	9.7	14.9	4.1	16.2 16.3 15	15.2 17	4.3	13.2	5.8
Don't know	C%	13 9.1 12	0.0	6.7	0.0			15.4	7.1	0.0	6 14.3 4	13.3	7.4	5.6	10 10.0 9	8.2	16.3		5.8
	MEAN:	2.47	*	2.34 D					2.54	2.67	2.46	2.05 L		1.94 N			2.36	2.47	2.08

UF1B. What changed your mind to make you say you're now likely to buy a CFL in the next year?

BASE: Now likely to purchase

	=	====:	FUTUE	RE PURC	HASE	CFL				ER 2 ===		HOME EI		CONSIDE	R EE	TO USE	LESS	PRICE A	AND
			Init-	Init- ially	Change Unlike		Not		Not	PROMO D MOST RE PURCHAS	CENT E		Not	IMPROVE	Not		Not	OPERAT:	Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs		No	cerned	cerned	busy	busy	it	it	sider	sider
Total	C%	61 100.0 60	0.0	51 100.0 51	100.0	100.0			100.0	100.0	15 100.0 10			13 100.0 14	46 100.0 45	100.0	100.0	100.0	100.0
Saves energy/efficient		12 19.2 14	0.0	10 19.7 12	19.7	0.0	0.0	0.0	0.0	0.0	0.0	27.6		19.3	9 19.8 11	20.2	11.7	20.6	14.8
Saves money on electricty	C%	9 14.8 10	0.0	7 13.1 8	13.1	7.7	0.0		0.0	0.0	0.0	0.0		6.4	8 17.5 9	16.7		15.5	0.0
They last much longer		7 11.4 6		7 13.6 6	13.6	7.7	50.0		0.0	0.0	30.0 3	12.1	11.2	17.8	5 9.9 4	12.9		8.7	
Curious to try them	C%	10 16.8 10	0.0	10 20.2 10	10 20.2 10	7.7	50.0		0.0	3 33.3 2	1 10.0 1	39.7	5 11.2 5		7 14.9 6	17.5	1 11.7 1	14.7	
Price of blubd is less than I thought		2 2.7 2	0.0	2 3.3 2		0.0		0.0	0.0	0.0	0.0	0.0	3.4 2	6.4	1 1.8 1	_		1.6	14.8
Will fit most of my fixtures	C%	4 6.2 3	0.0	7.4 3	7.4	15.4	0.0		0.0	1 16.7 1	1 10.0 1				3.2 1	4.3		7.2	0.0
Other	C%	$\begin{smallmatrix}1\\2.4\\1\end{smallmatrix}$	0.0	0.0	0.0	7.7	0.0	0.0	20.0	0.0	1 10.0 1	0.0	1 3.0 1	0.0	0.0	2.7		2.8	0.0

UF1B. What changed your mind to make you say you're now likely to buy a CFL in the next year?

BASE: Now likely to purchase

									== BANN	ER 2 ===	=====		======			======			
			FUTU	RE PURC	HASE	CFL						HOME E	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE .	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT	E COST
				Init-	Change					MOST RE	CENT								
			Init-	ially	Unlike		Not		Not	PURCHAS	E		Not		Not		Not		Not
			-		to								Con-	Too			worth		con-
										Yes					busy			sider	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Don't know		14	. 0	11	11	10	0	4	6	4	6	2	13	1	14	11	3	14	. 0
	С%	23.7	0.0	21.0	21.0	53.8	0.0	37.5	80.0	50.0	40.0	13.8	26.2	6.4	29.3	21.1	44.1	25.8	0.0
		12	0	9	9	7	0	3	4	3	4	2	10	1	11	9	3	11	. 0
Refused		2	0	1	1	0	0	0	0	0	0	0	2	0	2	1	1	2	. 0
	C%	2.7	0.0	1.6	1.6	0.0			0.0	0.0	0.0		3.4	0.0	3.6	1.6	11.7	3.2	
		2	. 0	1	1	0	0	0	0	0	0	0	2	0	2	1	1	2	. 0

UFIB. What changed your mind to make you say you're now likely to buy a CFL in the next year? BASE: Now likely to purchase

	===		FUTUI	RE PURCI	HASE	CFL				ER 2 ===		HOME E		CONSIDE	ER EE	TO USE		PRICE .	AND
				Init- ially	Change Unlike		Not		Not	MOST RE	CENT E		Not	Too	Not		Not worth		Not
		al	Likely	likely	Likely	-led	-led	CFLs	CFLs		No	cerned	cerned	busy	busy	it	it	sider	sider
Total	C% 10	46 00.0 47	0.0	100.0		9 100.0 6	6 100.0 4	100.0	100.0	100.0 3	9 100.0 6	100.0		100.0	31 100.0 32		3 100.0 3		
Saves energy/efficient		3 6.9 3	0.0	2 5.7 2	5.7	0.0	1 25.0 1	0.0	0.0	0.0	1 16.7 1	0.0	3 8.9 3	0.0	3 10.1 3	7.4	0.0	2 4.4 2	26.0
Saves money on electricty	C%	2 5.1 2	0.0	1 3.7 1		0.0	1 25.0 1	0.0	0.0	0.0	1 16.7 1	14.1	2.4	11.3	1 2.7 1	2 5.4 2	0.0	6.0 2	0.0
They last much longer	C%	1 1.8 1	0.0	1 2.1 1	1 2.1 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1 2.4 1	6.4	0.0	1 2.0 1	0.0	0.0	1 14.8 1
Price of blubd is less than I thought		5.1 2	0.0		5.7	0.0	1 25.0 1	0.0	0.0	0.0	1 16.7 1		2.4	11.3	1 2.7 1	2 5.4 2	0.0	6.0 2	0.0
Will fit most of my fixtures	C%	3 5.5 3	0.0	3 6.2 3			0.0	0.0	0.0	0.0	0.0	16.0	2.4	6.4	2 5.4 2	3 5.9 3	0.0	3 6.5 3	0.0
Other	C%	1 1.8 1	0.0	1 2.1 1	1 2.1 1	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	6.4	0.0	1 2.0 1	0.0	1 2.2 1	0.0
No other reason	C% 7	35 77.1 36	0.0		31 78.1 33		3 50.0 2	100.0		100.0 3	6 66.7 4	62.0 7			25 79.2 25	32 75.4 33	3 100.0 3	30 78.7 30	3 59.2 4

NEEA Consumer Lighting Survey (3321) UF2A. What, if anything, would motivate you to purchase CFLs in the next year? BASE: Unlikely future purchaser

	=====	FUTUI	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	ER 2 ===	URING	HOME EN	NERGY	CONSIDE IMPROVE	R EE MENTS	TO USE ENERGY	LESS	PRICE A	AND E COST
		ially Likely	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	MOST RE PURCHAS Yes	E No	Con- cerned	Not Con- cerned	Too busy	Not too busy	Worth it	Not worth it	Con- sider	Not con- sider
Total C%	112 100.0 137	0.0	100.0	0.0		100.0	100.0	13 100.0 9	100.0	100.0	100.0		100.0	66 100.0 72	100.0	100.0	100.0	
They need to be cheaper	26 23.2 31	0.0		0.0	28.6	16.7	60.0	11.1	16.7		22.5	23.0	25.9	15 22.3 15	24.0	19.9	23.4	24.0
Need to be convinced of their energy savings C%	12 11.1 17	0.0	10.6	0.0	21.4		40.0	11.1	0.0	3 11.1 2		8 12.0 11	10.3		11.9	10.0		7.3
Need to see them in the stores where I shop C%		0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7		8.1	2.8	4.4	12.5	6.1	3.7
Need to make them in different sizes C%	7 6.6 9	0.0	6.0	0.0	14.3	0.0	20.0	11.1	0.0	3 11.1 2	5.7		5.4	6.5	7.0	6.6	5.8	9.7
Need to make them look attractive in fixtures C%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0
I still need more information about CFLs C%	3.9 6	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.3	1.2		4.0	4.1	3.1	9.7
Nothing C%	28 24.9 33	0.0		0.0	21.4	33.3	0.0	33.3	33.3	7 27.8 5	30.6	15 21.8 17	36.0	12 18.6 14 M	25.7 26	17.4		22.7

NEEA Consumer Lighting Survey (3321)

UF2A. What, if anything, would motivate you to purchase CFLs in the next year? BASE: Unlikely future purchaser

			FUTU	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO I	URING	HOME E	NERGY	CONSID	ER EE EMENTS	TO USE ENERGY	LESS	PRICE OPERAT	AND E COST
			ially	ially Un-	Unlike to	Instal	Not Instal	Store	Not Store	MOST RE	E 	Con-	Not Con-	Too	Not too	Worth	Not worth	Con-	Not con-
					Likely					Yes I		cerned					it P	sider Q	
I don't like the quality of the light	C%	8 6.7 6	0.0		0.0		33.3	0.0	0.0	1 16.7 1	4 16.7 3	1 3.6 1	6 8.6 5	2 5.2 2	5 8.0 4		7.3 1	8 7.8 6	0.0
I still prefer incande -cent/standard bulbs				2.2	0.0		0.0	0.0	0.0	0.0	0.0	3.2					1 4.1 1		
Nothing at all	C%	11 9.8 14	0.0	8.8	0.0	7.1	0.0	0.0	11.1	16.7		14.9	6.9	8.8	9.6	11.0	6.6	9.1	2 15.7 3
Other	C%	6 5.6 6	0.0		0.0	3 14.3 2	8.3	0.0	22.2	16.7		3.6	6.8	0.0	9.5	7.1 6		6.4	0.0
Don't know	C%	3.7 5	-	_	0.0	_	0.0	0.0	11.1	0.0	1 5.6 1	4.5	3.3	4.2	3.5	1.5	_		7.3
Refused	C%	2.0		2.3	0.0	0.0	8.3	0.0		0.0			3.3	0.0	3.5			2.4	

											PROMO I		USAGE			EMENTS	ENERGY		OPERATI	E COST
				ially	ially Un-	Unlike to	Instal	Not Instal	Store	Not Store	PURCHAS	SE 	Con-	Not Con-		Not too	Worth	Not	Con-	Not con-
								-led F							busy			it P	sider Q	
Total	(C%	26 100.0 31	0.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	15 100.0 15		100.0	100.0	
\$1		C%	7 25.9 7	0.0	27.3	0.0	75.0	0.0	66.7	100.0	100.0	66.7	16.3	32.3	11.8	5 36.8 5	27.3	12.6	27.5	
\$2		C%	1 3.9 2	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.1	8.9	0.0	2.4	12.6	2.2	15.3
\$6	(C%	1 3.2 1	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	1 5.7 1	0.0	20.8	3.7	0.0
\$10	(C%	1 5.6 1	0.0	5.9	0.0	0.0	50.0	0.0	0.0	0.0	1 33.3 1	15.8	0.0	0.0	1 10.0 1	7.0	0.0	0.0	1 44.3 1
\$12		C%	1 1.9 1	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	4.5	0.0	2.4	0.0	2.2	0.0
Don't know		C%	13 51.1 16	0.0	50.5	0.0	25.0	50.0	33.3	0.0	0.0	0.0	57.1	49.2	70.4	5 36.1 6	56.9	33.3	54.8	
	MEAN:		3.3	*	3.3	*	1.0	10.0	1.0	1.0	1.0	4.0	5.8	1.7	3.3	3.3	3.3	3.5	2.3	6.5

	=:	=====			======				== BANN	ER 2 ===:					=====	======		======	
			FUTU	RE PURC	HASE	CFL						HOME EI	NERGY	CONSIDE	R EE	TO USE	LESS	PRICE A	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO DI	JRING	USAGE		IMPROVE	MENTS	ENERGY		OPERATI	E COST
					_					MOST REG									
			Init-	ially	Unlike		Not		Not	PURCHASI	€		Not		Not		Not		Not
			ially	Un-	to	Instal	Instal	Store	Store			Con-	Con-	Too	too	Worth	worth	Con-	con-
	To	otal	Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
		-A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Refused		2	0	2	0	0	0	0	0	0	0	0	2	1	2	1	1	2	0
	C%	8.3	0.0	6.8	0.0	0.0	0.0	0.0	0.0			0.0	10.3	4.5	11.4	4.0	20.8	9.6	0.0
		3	0	2	0	0	0	0	0	0	0	0	2	1	2	1	1	3	0
	MEAN:	3.3	*	3.3	*	1.0	10.0	1.0	1.0	1.0	4.0	5.8	1.7	3.3	3.3	3.3	3.5	2.3	6.5
	MEAN.	3.3		٥.٥		1.0	10.0	1.0	1.0	1.0	4.0	5.0	1./	3.3	٥.٥	٥.٥	٥. ٥	4.5	0.5

BASE: Respondents who said they would need to see them in the stores where they buy light bulbs

		=====	======	======	======	======	======		== BANN	ER 2 ===	.=====	======	.=====		.=====	======	======	======	======
					HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO I	URING	HOME EN	IERGY	CONSIDE IMPROVE	R EE MENTS	TO USE ENERGY		PRICE A	
			ially Likely	ially Un- likely	Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	PURCHAS	SE No	Con- cerned	Not Con- cerned	-	Not too busy	Worth it	it	Con- sider	sider
Total	C%	6 100.0 12	0.0	100.0		0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0 8	100.0 7	100.0 3				
Grocery store	C%	28.9	0.0	1 27.5 2		0.0	0.0	0.0	0.0	0.0	0.0	35.5	1 25.0 2	1 14.3 1	1 45.2 1	1 21.6 1		1 22.8 2	1 100.0 1
Home centers	C%	23.7	0.0	1 20.7 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2 37.5 3	2 42.9 3	0.0	1 26.1 2	20.0	2 25.7 3	0.0
Large general merchandise chains	C%	39.5 5	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	1 25.0 2		1 27.4 1	52.3 4		3 42.9 5	0.0
Local hardware stores	C%	1 15.8 2			0.0	0.0		0.0	0.0	0.0	0.0	0.0	1 25.0 2	1 14.3 1	1 27.4 1	1 13.1 1	20.0	1 17.2 2	

									== BANN	ER 2 ===		======							
			FUTU	RE PURC		CFL						HOME EI		CONSIDE	ER EE	TO USE ENERGY		PRICE OPERAT	
			Init- ially	ially	Change Unlike		Not		Not	PURCHAS	SE		Not	Too	Not		Not worth	Con-	Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
makal		4	0	2	0	0	0		0	0	0	1	2	0	4	2	1	2	-
Total	C%	100.0	0.0	100.0		0.0 0.0	0.0	0.0	0.0	0.0	0.0	100.0	3 100.0 3	0.0	100.0	100.0		100.0	100.0
Literature send in the mail		21.7		33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.3	0.0	0.0	21.7	0.0	1 100.0 1		0.0
			Ü	_	Ü	Ü	Ü	Ü	0	Ü	O	_	Ü	· ·	_	Ü		1	Ü
How much light they give off		21.7											1 33.3		1 21.7			1 27.7	0.0
give oii		1	0			0							1						0
How much energey they save/efficiency										-		1 37.7			1 34.9	_	-	1 44.5	0.0
save/elliciency	Ce	2															0.0		
Don't know		1	0	1	0	0							1		1	1	0	0	1
	C%	21.7	0.0	33.3		0.0							33.3	0.0		27.7 1			100.0

			======			======			== BANN	ER 2 ===	.=====					======			
			FUTU	TURE PURCHASE CFL INSTA Init- Change		CFL						HOME EI		CONSIDE	ER EE	TO USE		PRICE	
														IMPROVI		ENERGY		OPERAT	E COST
				ially	Unlike		Not		Not	PURCHAS	SE		Not		Not		Not		Not
		Pot ol	ially		to Likely							Con- cerned		Too		Worth it			con- sider
												K							
Total		8	0	8	0	0	6	0	0	1	4	1	6	2	5	6	1	8	0
	C%	100.0	0.0		0.0	0.0						100.0							0.0
		ь	U	ь	U	U	4	U	U	1	3	1	5	۷	4	5	1	6	U
Inconsistent light		1	0	1	0	0	1	0	0	1	0	0	1	0	1	1	0	1	. 0
5	C%	19.5	0.0					0.0	0.0	100.0	0.0	0.0		0.0	28.0			19.5	
		1	0	1	0	0	1	0	0	1	0	0	1	0	1	1	0	1	. 0
Not bright enough		2	0	2	0	0	1	0	0	0	1	0	2	1	1	2	0	2	. 0
	C%	30.5	0.0	30.5		0.0	25.0	0.0	0.0	0.0	33.3	0.0	37.9	36.2	28.0	37.9	0.0	30.5	0.0
		2	0	2	0	0	1	0	0	0	1	0	2	1	1	2	0	2	0
Dislike color/not true	<u> </u>	2	0	2	0	0	1	0	0	0	1	1	1	1	1	1	1	2	. 0
Looks green					-	-	25.0					100.0	_		_	_	100.0	30.5	-
		2	0	2	0	0	1	0	0	0	1	1	1	1	1	1	1	2	0
Don't know		1	0	1	0	0	1	0	0	0	1	0	1	0	1	1	0	1	0
DOIL C KILOW	C%	19.5	0.0	19.5	0.0	0.0						0.0			28.0	24.2	0.0	19.5	0.0
		1	0	1			1					0							. 0

	=====			======				== BANN	ER 2 ===		======				======			======
		FUTU	RE PURC	HASE	CFL						HOME EI	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE .	AND
					INSTAL	LATION	CFL S	TORAGE	PROMO I	URING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT	E COST
			Init-	Change					MOST RE	CENT								
		Init-	ially	Unlike		Not		Not	PURCHAS	EΕ		Not		Not		Not		Not
		ially	Un-	to	Instal	Instal	Store	Store			Con-	Con-	Too	too	Worth	worth	Con-	con-
	Total	Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total		3 0	2	0	0	0	0	0	0	0	1	1	1	1	1	1	2	0
	C% 100.	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			100.0	100.0	100.0	100.0	0.0
		4 0			0	0	0	0	0	0	2	2	2	2	2	1	3	0
Quality of light		2 0	2	0.0	0	0	0	0	0.0	0	1	1	1	1	1	1	2	0
	C% 62.	3 0.0	76.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.3	62.3	62.3	62.3	62.3	100.0	76.8	0.0
		2 0	2	0	0	0	0	0	0	0	1	1	1	1	1	1	2	0
Color of light		1 0	1	0	0	0				0					1		1	0
	C% 18.	9 0.0	23.2	0.0	0.0	0.0	0.0	0.0	0.0		0.0			37.7	37.7	0.0	23.2	0.0
		1 0	1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0
Cheaper		1 0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
-	C% 18.	9 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.7	0.0	37.7	0.0	0.0	0.0	0.0	0.0
		1 0	0	0	0	0	0		0	0	1				0	0	0	0

====:	FUTURE PURCHASE	CFL	STORAGE PROMO DURING	HOME ENERGY	CONSIDER EE IMPROVEMENTS	TO USE LESS ENERGY	PRICE AND OPERATE COST
	Init- Chang Init- ially Unlik ially Un- to	e Not	Not PURCHASE Store	Not	Not Too too	Not Worth worth	Not
	Likely likely Likel	y -led -led CFLs		cerned cerned			sider sider
Total 56	0 100.0 100.0 100.	0 100.0 100.0 100.	0 100.0 100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
At least once every two weeks C% 16	7 19.6 12.0 7. 9 53 23	4 21.5 24.1 23.	8 19 26 43 2 17.3 31.6 19.9 6 13 18 29	15.9 17.1	14.3 17.7	17.6 11.5	17.4 12.7
Once a month 10 C% 29 1	9 28.2 30.9 24.	7 28.8 27.6 32.	3 26 23 62 1 24.0 28.1 28.8 6 18 16 42	3 28.5 30.6	25.3 31.7	28.0 47.0	29.6 36.3 146 25
Several times a year 10 C% 30 10	1 30.8 29.7 36.	2 30.4 31.0 31.	1 32 21 69 2 29.3 24.6 32.2 5 22 14 47	24.6 31.7	31.5 29.8	31.0 21.0	30.5 24.6
C% 12	1 9.9 16.2 17.	3 8.4 10.3 5.	9 15 7 18 4 13.3 8.8 8.2 6 10 5 12	15.0 10.9	17.3 10.1	12.1 12.4 67 9	11.4 15.2
C% 10	7 10.9 11.3 14.	4 10.5 6.9 8.	3 16 6 23 0 14.7 7.0 11.0 9 11 4 16	15.5 9.2	11.5 10.2 17 42	10.8 8.1	10.7 11.3
Don't know C% 0	4 0.7 0.0 0.	0 0.5 0.0 0.	0 1 0 0 0 1.3 0.0 0.0 0 1 0 0	0.6 0.4	0.0 0.6	0.5 0.0	0.5 0.0

R2. How often do you shop at: Large general merchandise chains such as Wal-Mart or Costco? bASE: Total respondents

	=====	FUTU	TURE PURCHASE CFL INST! Init- Change ially Unlike v Un- to Insta			LATION	CFL S	TORAGE	PROMO D	URING	HOME E	NERGY	CONSIDE	ER EE	TO USE ENERGY		PRICE .	AND
	Total	ially	ially Un-		Instal	Not Instal	Store	Not Store	PURCHAS	E 	Con-		Too busy	Not too		Not worth	Con-	Not con-
		-	-	-					I				-	-				
Total C%	560 100.0 560	100.0	100.0	100.0	280 100.0 191	100.0	100.0	100.0	84 100.0 57	214 100.0 146	100.0	415 100.0 396	142 100.0 161	410 100.0 389	491 100.0 485	63 100.0 68	100.0	100.0
At least once every two weeks C%	223 39.8 219	40.3	37.6	35.4	117 41.9 80	16 37.9 11	42.9	41.3	38 45.6 26	89 41.8 61	39.7	165 39.9 154	54 37.9 63	167 40.7 154	195 39.8 187	26 41.8 29	40.6	37.7
Once a month C%	151 26.9 156	27.8	25.6	25.1	26.2	20.7	27.7	22.7	22 26.3 15	54 25.3 37	23.1	117 28.3 117	36 25.6 42	113 27.5 112	129 26.3 133	20 31.3 21	26.9	23.7
Several times a year C%	79 14.1 77	13.6	16.3	17.3	43 15.2 29	13.8	12.5	20.0	8.8	37 17.1 25	17.1	55 13.2 50	25 17.6 26	54 13.2 51	13.8	10 15.7 10	13.7	20.3
Once a year or less C%	36 6.5 36	6.3	7.7	6.6	18 6.3 12	6.9	6.3	5.3	9 10.5 6	9 4.1 6	6.5	27 6.5 26	3.1 6	30 7.3 27		6.3	6.6	4.7
Never C%	70 12.5 71	12.0	12.3	15.6 8	29 10.5 20	9 20.7 6	10.7	10.7	7 8.8 5	25 11.6 17	12.9	50 12.1 49	22 15.8 24	45 11.0 44	66 13.4 66 P	3 4.8 4 0	12.0 59	7 13.6 9
Don't know	0.1 1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	1 0.2 1		0.0	0.2	0.0

===		======= PURCHASE 	CFL						HOME EI		CONSIDE IMPROVE	ER EE	TO USE ENERGY	LESS	PRICE A	AND
		it- Change lly Unlike - to		Not		Not	MOST RE	E		Not	Too	Not too		Not worth		Not con-
	al Likely li						Yes I								sider Q	
C% 10	560 340 0.0 100.0 1 560 314	194 51 00.0 100.0 217 51	100.0		100.0	100.0	84 100.0 57	214 100.0 146	100.0	415 100.0 396	100.0	410 100.0 389	100.0	100.0	100.0	100.0
At least once every two weeks C% 1		25 7 12.9 14.4 24 8	18.8	10.3 3	21.4	13.3	19 22.8 13	32 15.1 22	14.8	69 16.5 67	12.4	72 17.6 68	15.8	19.3	80 15.9 74	16.4
C% 2	114 66 0.3 19.3 111 62	42 10 21.5 20.2 43 10		12 27.6 8	21.4	20.0		50 23.3 34	21.1	20.2	21.7	82 20.1 77	20.6	20.3	104 20.9 101	17.6
Several times a year C% 2		51 11 26.3 21.4 59 10	24.6	9 20.7 6	20.5	29.3	19.3	54 25.3 37	26.1	24.3	26.0		24.8	21.3		30.1
Once a year or less C% 1	92 56 6.4 16.5 93 53	31 9 16.1 17.3 35 9	14.7		16.1	13.3	13 15.8 9	35 16.4 24	16.7		15.8	68 16.5 65	15.8	19.9	83 16.6 81	15.5
C% 2	120 73 1.4 21.6 123 65	45 14 23.0 26.7 55 14	20.4	7 17.2 5	19.6	22.7		41 19.2 28	21.3	21.3	22.3	85 20.8 82	21.9	19.2	21.5	20.4
Don't know C%	6 5 1.1 1.6 6 5	1 0 0.3 0.0 1 0	3 1.0 2	1 3.4 1	0.9	1.3	0.0	1 0.7 1	0.0	6 1.4 6		3 0.8 3	1.2	0.0	1.2	0.0

BASE: Respondents who didn't mention "need to see them where I buy light bulbs" as a reson to purchase CFLs

	=====	FUTU	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	ER 2 === PROMO D	URING	HOME EN	NERGY	CONSIDE IMPROVE	R EE MENTS	TO USE ENERGY		PRICE A	AND
		Init- ially	ially	_		Not		Not	MOST RE	E		Not	Too	Not	Worth	Not		Not con-
		Likely							Yes I		cerned					it P	sider Q	
Total	554 % 100.(548	100.0	100.0	51 100.0 51	280 100.0 191	43 100.0 29	100.0	100.0		214 100.0 146	100.0	411 100.0 388	139 100.0 154	408 100.0 386	487 100.0 478	60 100.0 63	100.0	52 100.0 61
Wherever I notice them/ wherever I happen to bec		10.0	9.2	1 1.6 1	9.9	3 6.9 2	12.5	6.7	8.8	21 9.6 14	15.0	32 7.8 33 K	13.5 21	33 8.1 31	9.4	6 9.3 6	9.9	
Grocery store	112 2% 20.3 124	16.6	26.7 56	15 30.0 16 B	37 13.1 25	10 24.1 7	10.7	17.3	15 17.5 10	29 13.7 20	20.7	82 20.1 89	23.2	79 19.5 85	101 20.8 113	11 18.3 11	19.2	16 29.8 18
Drug store	1! 2% 2.7 17	7 1.8	4.6	2 4.5 2	2.1	3.4	1.8	2.7		3 1.4 2	3.3	10 2.5 11		9 2.2 9	2.1	5 8.3 6 0	2.4 13	6.3
Home centers	114 28 20.7 100	7 22.7	16.8	10 19.8 9			25.0	28.0	21 24.6 14	53 24.7 36	18.2	89 21.7 74		91 22.3 75		11 18.1 12	20.2	11 21.1 11
Large general merchandise chains C	169 30.6 168	31.9	28.3	15 29.6 15	30.9	13 31.0 9	31.2	29.3	24.6	75 34.9 51	29.6	127 30.9 118	26.5	131 32.0 126	30.4	20 32.6 21	31.2	14 27.4 18
Local hardware stores	69 2% 12.9 62	14.3	9.7	5 9.5 5	15.7	13.8	17.0	14.7	17.5	32 15.1 22	11.0	54 13.1 45	14.1	50 12.2 43	12.8	6 10.6 5	13.9	1 1.0 1 Q
Other C	10 % 1.8 12	3 1.2	2.4				0.9	1.3	1 1.8 1	0.7 1	1.6	8 1.9 9		9 2.1 10		1 1.4 1	1.8	1 1.6 1

R4. Where do you typically buy light bulbs?
BASE: Respondents who didn't mention "need to see them where I buy light bulbs" as a reson to purchase CFLs

=====	:=======:	=======		======	======	== BANNI	ER 2 =====			======	======	======	======		
	FUTURE PU	CHASE	CFL						HOME ENERGY	CONSIDE	R EE	TO USE	LESS	PRICE A	AND
			INSTALL	ATION	CFL S'	TORAGE	PROMO DUR	RING	USAGE	IMPROVE	MENTS	ENERGY		OPERATE	E COST
	Init	Change					MOST RECE	ENT							
	Init- ially	Unlike		Not		Not	PURCHASE		Not		Not		Not		Not
	ially Un-	to	Instal	Instal	Store	Store			Con- Con-	Too	too	Worth	worth	Con-	con-
Total	Likely like	y Likely	-led	-led	CFLs	CFLs	Yes	No	cerned cerned	busy	busy	it	it	sider	sider
A	BC	D	E	F	G	H	I	-J	KL	M	N	0	P	Q	R
Don't know	5	4 2	1	0	1	0	1	0	1 8	2	6	7	1	6	3
C% 1.6	1.4 2	2 3.3	0.5	0.0	0.9	0.0	1.8	0.0	0.6 2.0	1.2	1.6	1.4	1.4	1.3	4.8
10		5 2	1	0	1	0	1	0	1 9	2	7	8	1	7	3
														R	Q

NEEA Consumer Lighting Survey (3321)

Al. How much do you disagree or agree with the following statement... I am not very concerned about the amount of energy used in my home BASE: Total respondents

	=	=====	FUTU:	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	HOME EI USAGE	NERGY	CONSIDE IMPROVE	R EE MENTS	TO USE ENERGY	LESS	PRICE .	AND E COST
				ially	Unlike		Not		Not	MOST RE	E		Not		Not		Not		Not
										Yes I								sider Q	
Total	C%	560 100.0 560	100.0	100.0	100.0	100.0	100.0		100.0	100.0		100.0	100.0	100.0	410 100.0 389	100.0	100.0	100.0	100.0
1 - Strongly disagree		361 64.4 336	71.1	51.5 101	56.4 29	76.4 146	51.7	79.5	70.7	77.2	150 69.9 102	0.0	86.9 336	35.1 52	307 74.9 279 M	66.7 305	48.5 29	66.0 301	47.1 28
2	C%	54 9.7 60	7.5	13.8 32	21.4 10	7.3 14	10.3	5.4	12 10.7 8	5.3	21 9.6 14	0.0	13.1 60	18.4	28 6.8 30 M	8.7 45	15	10.2 55	6.7
3	C%	36 6.4 42	5.0	9.3	3.3	4.7		3.6		3.5	12 5.5 8	25.4	0.0	14.6 25	15 3.7 17 M	5.9 32	11.7	5.8	
4	C%	33 5.9 39	4.4	8.7 22	9.5	2.6	10.3 3	2.7		7.0	6 2.7 4	23.2	0.0	11.5	15 3.7 17 M	5.5 32	8.9	5.4	5 10.4 7
5 - Strongly agree	C%	73 13.0 79	11.1	16.6	9.5	8.9	20.7	8.9	9.3		26 12.3 18	51.3	0.0	19.2 31		12.7 68	12.6	12.1	
Don't know	C%	3 0.6 4	0.8 3	0.0	0.0	0.0	3.4 1	0.0	0.0	0.0			0.0	1.3	0.0	0.6	0.0	0.6	1 1.0 1
MEAN	1:	1.93	1.76 C			1.60 F				1.61		4.26 L			1.69 M		2.19		2.54 Q

	=:	====:	FUTUE	RE PURCI	HASE	CFL				ER 2 ===		HOME EI		CONSIDE	ER EE	TO USE ENERGY		PRICE A	AND
			Init-	ially	Unlike		Not		Not	MOST RE	EΕ		Not		Not		Not		Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs		No	cerned	cerned	Too busy M	busy	it	it	sider	sider
Total	C% :	560 100.0 560	340 100.0 314	194 100.0 217	51 100.0 51	280 100.0 191	100.0	100.0	100.0	84 100.0 57	214 100.0 146	100.0	415 100.0 396	142 100.0 161	410 100.0 389	491 100.0 485	63 100.0 68	499 100.0 488	
1 - Strongly disagree	C%	347 61.9 317	233 68.4 203 C	96 49.5 97 B	58.0 30	202 72.3 138	69.0	73.2	70.7	59 70.2 40	158 74.0 108	40.7	289 69.7 260 K	0.0	347 84.6 317 M	64.6 291	42.4 24	321 64.4 290 R	37.9 21
2	C%	63 11.3 72	33 9.6 37	28 14.5 31	16.5	21 7.3 14	13.8	6.3	8.0	12 14.0 8 J	12 5.5 8 I	12.1 23	46 11.1 49	0.0 0.N	63 15.4 72 M	11.1 62	8 12.9 9	55 11.0 61	8 15.5 11
3	C%	72 12.8 80	41 12.0 40	30 15.7 39	7 14.4 8	29 10.5 20	3.4	8.9	13.3	7.0 4	22 10.3 15	19.1	43 10.4 48 K	72 50.5 80 N	0.0 0.0 M	12.2 65	11 18.0 14	61 12.2 66	17.7
4	C%	23 4.2 31		14 7.3 18 B	6.2		6.9	1.8	0.0	3 3.5 2	3 1.4 2	11.6	6 1.6 9 K	23 16.5 31 N	0.0 0.0 M	3.8 23	7.2		7.6
5 - Strongly agree	C%	47 8.4 50	22 6.6 19 C	23 11.6 28 B		23 8.4 16	3.4	9.8	6.7	5.3 3	18 8.2 12	14.6	26 6.3 25 K	50	0.0 0.0 0	6.9 36	17.4 12		20.3 11
Don't know	C%	8 1.4 10	3 1.0 4	3 1.4 4	0.0	1 0.5 1	3.4	0.0	1.3	0.0	1 0.7 1	1.9	4 0.9 5	0.0	0.0	1.3		7 1.4 8	1.0
MEAN	:	1.84	1.68 C	2.16 B		1.65	1.57	1.69	1.62	1.60	1.63	2.46 L	1.62 K		1.15 M			1.77 R	

A3. How much do you disagree or agree with the following statement... It is worth it to me for my household to use less energy in order to help preserve the environment

	=	====	FUTU	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO I	URING		IERGY	CONSIDE IMPROVE	R EE MENTS	TO USE ENERGY	LESS	PRICE A	AND
			Init- ially Likely	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	Yes	E No		Not Con- cerned		Not too busy	Worth it	it	Con- sider	sider
Total	C%	560 100.0 560	340 100.0 314	194 100.0 217	51 100.0 51	280 100.0 191		164 100.0 112	100.0	100.0	214 100.0 146	100.0	415 100.0 396	100.0	410 100.0 389		100.0	100.0	53 100.0 62
1 - Strongly disagree	C%	36 6.4 37	14 4.1 12 C	10.0 22			6.9	10 6.3 7	5.3	5.3	13 6.2 9	8.1	25 5.9 25	10.2	20 4.9 19 M	0.0	57.6 37	5.1 25	10 19.1 11 Q
2	C%	27 4.8 31	14 4.1 12	5.7		9 3.1 6	6.9	6 3.6 4		3.5	9 4.1 6	6.6	17 4.2 19	8.6	14 3.5 14 M	0.0	31	4.1 23	6 11.4 8 Q
3	C%	55 9.8 59	27 8.0 27 C	27 13.7 31 B	6 11.1 6	23 8.4 16	3.4	12 7.1 8	10.7	7.0	16 7.5 11	18.1	28 6.6 29 K	19.4 29	26 6.3 29 M	11.1 59	0.0	9.2 47	9 17.1 12
4	C%	72 12.9 78	40 11.7 43 D	32 16.5 34	21.8	23 8.4 16	20.7	10 6.3 7	12.0	14.0	21 9.6 14	12.4	54 13.1 57	17.7	47 11.5 47	72 14.7 78 P	0.0	13.1 69	6 11.4 8
5 - Strongly agree	C%	364 65.0 348	244 71.8 219 C	52.0 110	30 59.3 30	204 72.8 139	62.1	125 75.9 85	66.7	68.4	152 71.2 104	52.7	288 69.5 264 K	42.1 64	299 72.9 277 M	364 74.1 348 P	0.0	67.6 319	20 38.3 22 Q
Don't know	C%	6 1.1 7	1 0.4 1		0.0	1.6 3	0.0	0.9 1	2.7	1.8	3 1.4 2	2.1	3 0.7 2	2.1	3 0.8 3	0.0	0.0	0.9	1 2.8 1
MEAN	1:	4.27	4.44 C	3.97 B		4.41	4.24	4.43	4.36	4.39	4.38	3.97 L	4.37 K		4.45 M	4.63 P			3.39 Q

A4. How much do you disagree or agree with the following statement... When considering purchasing appliances or other equipment, I typically consider both the price and the operating costs, not just the price

	=	=====	FUTU	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO I	URING	HOME EI	NERGY	CONSIDE	ER EE EMENTS	TO USE ENERGY		PRICE A	AND
	,	rotol	ially	ially Un-	Unlike	Instal	Not Instal	Store	Not Store	MOST RE	E 		Not Con-	Too	Not too busy	Worth	Not worth	Con-	
										I									
Total	C%	560 100.0 560	100.0	194 100.0 217	100.0	280 100.0 191	100.0	100.0	100.0		214 100.0 146	100.0	100.0	142 100.0 161	410 100.0 389	491 100.0 485		499 100.0 488	53 100.0 62
1 - Strongly disagree	C%	39 6.9 44	6.1	9.0	6.2	13 4.7 9	10.3	4.5	5.3	1 1.8 1	15 6.8 10	12.6		12.6 20	20 5.0 23 M	5.2 29	12 19.0 14 0	0 0.0 0 R	73.5 44
2	C%	14 2.5 18	2.7	5 2.5 7	4.9	1 0.5 1	3.4 1	0.9		0.0	0.7 1	4.2		4.4	8 1.9 9	10 2.0 13 P		0 0.0 0 R	
3	C%	71 12.7 75	10.3	34 17.5 36 B	18.1	35 12.6 24	13.8 4	11.6	14.7	19 22.8 13 J	19 8.9 13 I	17.6 27	10.8 47	26 18.3 31 N	43 10.5 42 M	11.7 61	12 19.7 13	71 14.2 75 R	0 0.0 0 Q
4	C%	90 16.0 100	13.9	37 19.2 45	24.7	29 10.5 20	9 20.7 6	9.8		13 15.8 9	23 11.0 16	21.2	14.2 62	39	54 13.3 59 M	15.3 83	13 21.3 15	90 18.0 100 R	0 0.0 0 Q
5 - Strongly agree	C%	338 60.4 313	65.9	98 50.2 103 B	42.8 23	198 70.7 135	51.7	73.2	65.3	50 59.6 34	154 71.9 105	43.1	247	39.4 59	279 68.0 250 M	64.4 291		338 67.8 313 R	0 0.0 0 Q
Don't know	C%	8 1.5 10	1.1	1.6	3.3	1.0 2	0.0	0.0	2.7	0.0	0.7 1	1.3	1.6	1.5	6 1.4 6	7 1.4 8	1 1.3 1	0.0	0.0

		====	FUTU:	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	HOME E	NERGY	CONSIDE	ER EE EMENTS	TO USE ENERGY		PRICE OPERAT	AND
			Init- iallv	ially	Unlike to		Not		Not	PURCHAS	E		Not	Too	Not		Not worth		Not con-
			Likely	likely	Likely	-led	-led	CFLs	CFLs		No	cerned	cerned	busy	busy	it	it	sider	sider
Total	C%	560 100.0 560	100.0	100.0	100.0	100.0	100.0	100.0	100.0	84 100.0 57	214 100.0 146		100.0	142 100.0 161	410 100.0 389	100.0	63 100.0 68	100.0	100.0
Mobile home	C%	36 6.5 39	6.7	5.9	6.2	5.2		2.7	9.3	5.3	13 6.2 9	6.3	6.6	5.2	29 7.0 29	6.4			3.8
Single-family (attack or detached)		422 75.4 413	76.7	73.0	76.1	80.6	29 69.0 20	84.8	73.3	59 70.2 40 J	179 83.6 122 I		77.3	110 77.2 120	309 75.4 288	76.1	70.1		71.4
Apartment	C%	61 10.9 68	10.6	12.5	12.7	7.9	6.9	6.3	10.7	12 14.0 8 J	12 5.5 8 I	15.7 23	9.2 44	19	43 10.6 47	10.2	11 16.9 12	9.7	20.7 12
Condo	C%	15 2.8 14	2.0	3.7	4.9	2.1	10.3	1.8	2.7	3.5	6 2.7 4		3.0	2.5	12 2.9 9	3.0	1.3	2.8	1.0
Other	C%	21 3.8 22	3.5	4.6	0.0	3.7	3.4	3.6	4.0	5.3	2.1 3	2.6	3.8	2.0	15 3.8 14	3.8		3.7	3.2
Refused	C%	3 0.6 4	0.6	0.3	0.0	0.5	0.0	0.9	0.0	1 1.8 1	0.0	2.0	0.1	1.4	0.3 2	0.5	1 1.3 1	0.5	0.0

		=====					======		== BANN	ER 2 ===		======							
										PROMO D					EMENTS	TO USE ENERGY		PRICE A	E COST
			ially Likely	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	MOST RE PURCHAS Yes I	SE No	Con- cerned	Not Con- cerned	Too busy	Not too busy	Worth it	Not worth it	Con- sider	Not con- sider
Total	C%	560 100.0 560	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	410 100.0 389	100.0	100.0	100.0	100.0
Own	C%	443 79.1 434	80.3	76.4	74.9	85.3	69.0	144 87.5 98	81.3	69 82.5 47		77.1		79.6	324 79.1 299	79.4	76.0		73.4
Rent	C%	106 19.0 114	18.4	20.6	25.1	14.1	24.1	11.6	18.7	15.8	35 16.4 24	19.8	18.5	17.8	80 19.5 83	18.6	22.7		26.6
Don't know	C%	6 1.1 6	2 0.7 2			0.0	6.9	0.0	0.0	0.0	0.0	1.2	0.7	0.6		1.2	0.0		
Refused	C%	5 6 0.9		2 1.1 3	0.0	0.5	0.0		0.0			2.0	2 0.5 3	2.0	2 0.5 3	0.8		4 0.8 5	0.0

	=	=====	FUTU	RE PURC	HASE	CFL INSTAL	LATION	CFL S	TORAGE	ER 2 ===	URING	HOME EN	NERGY	CONSIDE IMPROVE	R EE MENTS	TO USE ENERGY	LESS	PRICE .	AND E COST
			ially	ially Un-	Unlike to	Instal	Not Instal	Store	Not Store	MOST RE	E 	Con-	Not Con-	Too	Not too	Worth	Not worth	Con-	Not con-
										Yes I								sider Q	
Total	C%	560 100.0 560	100.0	100.0	100.0	100.0		100.0	100.0	84 100.0 57	214 100.0 146	100.0	415 100.0 396	100.0	410 100.0 389	100.0	63 100.0 68	100.0	100.0
1	C%	118 21.0 119	19.6	24.1	21.8	20.9	9 20.7 6	18.8	25.3		40 18.5 27	21.8	85 20.6 83	22.7	83 20.3 76	20.6		19.2	31.8 19
2	C%	213 38.0 205	37.6	36.5	25.5	38.7		42.9	32.0	31.6	91 42.5 62	36.2		34.8	158 38.6 149	39.7		39.9	25.2 16
3	C%	88 15.6 91	17.7	12.8	21.8	16.2	3.4	18.8	12.0	22.8	26 12.3 18	18.7	14.6	17.4	62 15.2 59	15.3		15.7	14.7
4	C%	74 13.2 75	14.4	12.6	23.1	13.6		13.4	13.3	8.8	32 15.1 22	10.6	59 14.2 55		58 14.2 55	13.2	12.9	13.6	11.4
5	C%	33 5.9 33	5.4	6.3	3.3	5.8	6.9	3.6	9.3	3.5	16 7.5 11	6.5	24 5.8 25	6.4	24 5.9 24	5.0	13.9	5.3 27	12.5 6
6	C%	13 2.4 16	2.1	2.9	0.0	0.5	6.9	0.9	0.0	1.8	3 1.4 2	1.5		3.1	9 2.1 11	2.4	2.1	2.3	3.5
7 or more	C%	12 2.1 11	2.0	2.1	2.9	2.6	0.0	0.0	6.7 5	3.5	2.1 3	1.4	2.3	0.9	10 2.5 9	2.4	0.0	2.2	1.0

NEEA Consumer Lighting Survey (3321)
D3. Including yourself, how many people live in your home?
BASE: Total respondents

			FUTU	RE PURC		CFL INSTAL			TORAGE	PROMO I		HOME E	NERGY	CONSIDE		TO USE ENERGY		PRICE OPERAT	
		otal -A	ially Likely	ially Un- likely	Unlike to Likely	Instal -led	Not Instal -led	Store CFLs	Not Store CFLs	PURCHAS Yes I	SE No	cerned	Not Con- cerned L	-	Not too busy N		it	Con- sider Q	Not con- sider R
Refused	C%	10 1.8 10	4 1.2	5 2.6	1 1.6	4 1.6	13.4	3 1.8	1.3	3 . 5	1	5 3.4	5 1.2	5 3.5	5 1.2	7	3 4.5	9	0.0

D4. Which of the following best describes your educational background?

	=	=====	FUTU	RE PURC	HASE	CFL				ER 2 ===		HOME EI		CONSIDE	R EE	TO USE		PRICE A	AND
			Init- ially	Init- ially Un-	Change Unlike to	Instal	Not Instal	Store	Not Store	MOST RE	CENT E	Con-	Not Con-	Too		Worth	Not worth	Con-	Not con-
			Likely	-	-			CFLs G	CFLs H	Yes I	No J		cerned		busy N	it 0	it P	sider Q	
Total	C%	560 100.0 560	100.0	194 100.0 217	51 100.0 51	280 100.0 191	43 100.0 29	100.0		84 100.0 57	214 100.0 146	142 100.0 160	415 100.0 396	142 100.0 161	410 100.0 389	491 100.0 485	63 100.0 68	499 100.0 488	53 100.0 62
Some high school	C%	25 4.5 28	3.5	4.4	7.8 4	12 4.2 8		3.6	5.3	0.0	9 4.1 6	8 5.3 11	18 4.2 17	5 3.6 7	17 4.3 18	23 4.6 24	1 2.1 2	20 4.0 22	4.1 3
High school graduate	C%	91 16.2 95	15.8	17.8	9 17.3 9	43 15.2 29	3 6.9 2	14.3	16.0	16 19.3 11	28 13.0 19	27 18.9 32	63 15.2 62	24 16.6 28	65 15.8 64	86 17.5 89 P	3 4.3 4 0	83 16.7 87	6 11.0 7
Trade or technical school	C%	39 7.0 39	29 8.5 27		2 3.3 2	7.3	10.3 3	4.5	10.7	0.0 0 J	19 8.9 13 I	9 6.4 11	30 7.3 28	11 7.9 14	28 6.7 24	34 6.9 35	5 8.3 4	33 6.7 32	6 10.7 6
Some college	C%	147 26.3 147	93 27.4 86	24.9	13 25.5 14	76 27.2 52	20.7	27.7	31 28.0 21	22 26.3 15	56 26.0 38	30 21.3 35	115 27.8 110	31 22.1 36	114 27.8 109	129 26.3 128	18 28.4 18	129 25.9 125	17 33.1 21
College graduate	C%	139 24.9 137	85 25.0 75	24.8	15 30.5 14	67 24.1 46	18 41.4 12	25.9	21.3	28 33.3 19	56 26.0 38	27 18.7 27 L	112 27.1 109 K	38 26.6 41	102 24.8 96	122 24.8 115	18 28.0 22	128 25.6 123	11 21.0 13
Some graduate school	C%	21 3.8 20	3.5	3.7	2 3.3 2	5.2		6.3		4 5.3 3	9 4.1 6	5 3.3 6	17 4.0 14	2.8 6	17 4.2 14		3 4.8 4	20 4.0 18	1 1.0 1
Graduate degree	C%	75 13.3 71	12.5	14.6	5 9.5 5	35 12.6 24	7 17.2 5		10 9.3 7	9 10.5 6	32 15.1 22	28 19.4 27 L	47 11.3 44 K	20 14.4 20	53 13.0 50	58 11.8 57 P	14 22.0 12 0	66 13.2 62	9 16.6 9

NEEA Consumer Lighting Survey (3321) D4. Which of the following best describes your educational background?

		=====		======	======		======		== BANN	ER 2 ===	=====	======	======	======		======	======	======	======
			FUTU:	RE PURC	HASE	CFL						HOME E	NERGY	CONSIDE	ER EE	TO USE	LESS	PRICE .	AND
						INSTAL	LATION	CFL S	TORAGE	PROMO D	URING	USAGE		IMPROVE	EMENTS	ENERGY		OPERAT	E COST
					_					MOST RE									
			Init-	-	Unlike		Not		Not	PURCHAS	E		Not		Not		Not		Not
			ially	Un-	to	Instal	Instal	Store	Store			Con-	Con-	Too	too	Worth	worth	Con-	con-
										Yes					busy		it	sider	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Don't know		7	4	2	1	6	0	1	4	0	4	2	5	3	3	7	0	6	1
	С%	1.2	1.3	1.3	2.9	2.1	0.0	0.9	4.0	0.0	2.1			2.4	0.8	1.4	0.0	1.2	1.0
		6	3	3	1	4	0	1	3	0	3	2	4	3	3	6	0	4	1
Refused		15	8	6		6		4		4		7	8		10		1	14	1
	C%	2.7	2.4	3.2	0.0	2.1	3.4	2.7	1.3	5.3	0.7	5.3	1.9	3.5	2.5	2.9	2.1	2.7	1.6
		17	10	6	0	4	1	3	1	. 3	1	9	8	6	11	15	2	15	1
										т	т	т	v						

			RE PURC	HASE	CFL				PROMO I		HOME EI	NERGY	CONSID	ER EE	TO USE	LESS		AND
				Change					MOST RE	ECENT								
															Worth		Con-	
		Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned					sider	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	0	P	Q	R
Total	11	8 67	47	11	59	9	31	28	21	40	31	85	32	83	101	13	96	17
	C% 100. 11	0 100.0 9 64												100.0 76				100.0 19
	_	_	_		_							_		_	_		_	
19-34	2% 8.		5 5 10.9						3 14.3									3 16.8
	1								2									
35-54	3	0 13					6		7		8					4	27	3
		5 19.0 2 13	19	6		33.3	19.0 4		35.7 5		25.2 9	26.1 23		27.1 21		30.9 5		
55-64	2	8 17		_		_										_		_
	C% 23. 2	9 25.2 4 13							42.9 6	33.3 9	13.8 4							17.5 2
65 and over	4	6 31	. 12	2	23	1	13	10	1	16	14	31	12	32	42	2	35	7
ob and over	C% 39.					16.7										16.2		
	4	9 31 C		_	16	1	9	7	1	11	17	31	17	29	44	3	35	9
Refused		3 1														0		1
	C% 2.	7 1.2 3 1																
		J 1		_	O	_	O	O	O	_	2	_	N	-	_	Ü	2	_

			======		======		======		== BANN	ER 2 ===		======							
										PROMO D				CONSIDE IMPROVE	EMENTS			PRICE A	E COST
			Init- iallv	ially	Unlike		Not		Not	MOST RE	EΕ		Not	Too	Not	Worth	Not		Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs		No	cerned	cerned	busy	busy	it	it	sider	sider
Total		432	269	142	20	217	32	131	81	60	173	106	324	105	322	202	47	204	26
iotai	C%	100.0 431	100.0	100.0 162	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0 307	100.0	100.0	100.0	100.0
None	C%	348 80.6 335	82.5	108 75.8 117	71.5	86.5	26 81.8 18	88.8	81.8		147 84.7 100	81.0	261 80.5 240	76.7		81.7		81.8	70.8
1	C%	53 12.2 63	11.5	20 14.3 28	18.8	6.8	13.6	6.7	7.3		16 9.3 11	14.1	38 11.7 43	15.5	36 11.2 40	10.9		11.5 53	15.7
2	C%	22 5.0 24	4.8	8 5.7 11	3.8	4.7		3.4	7.3	1 2.4 1	9 5.1 6	3.9		5.1	16 5.1 16	5.2		18 4.6 19	9.7
3	C%	2 0.5 3	0.0	2 1.5 3	2.1	0	0.0	0.0	0.0	0.0	0.0	0.5		1.3	1 0.3 1	0.6	0.0	0.2	3.7
Refused	C%	7 1.7 6	1.3	2.6	3.8	2.0		1.1	3.6		0.8 1	0.5	7 2.1 5	1.4	5 1.5 4	1.7	1.8	1.8	0.0

	=	=====		======					== BANNI	ER 2 ===					=====		======		
				RE PURCI		CFL INSTALI	LATION	CFL S	TORAGE	PROMO I	OURING	HOME EN	IERGY	CONSIDE		TO USE ENERGY		PRICE A	
			Tnit	Init- ially						MOST RE			Not		Not		Not		Not
			ially	Un-	to	Instal	Instal	Store	Store			Con-	Con-	Too	too		worth	Con-	
			-	likely	-									busy M	-		it P	sider	
		11	2	C	D		-	G		-	Ü	10		11	11	Ü	-	×	10
Total		432	269	142	39	217	32	131	81	60	173	106	324	105	322	383	47	394	36
	C%	100.0 431	100.0 246	100.0 162		100.0 148	100.0			100.0 41	100.0 118		100.0	100.0 117	100.0 307	100.0 377		100.0 385	100.0 43
		431	240	102	3,5	110	22	0,5	33	11	110	120	300	117	307	377	50	303	43
None		276	173	88	21	139	18	97	38	41	104	70	205	73	198	246	28	251	22
	C%	63.8 274	64.2 159		54.3 23	64.2 95	54.5 12	74.2 66		68.3 28	60.2 71		63.3 194	69.2 81	61.7 187				62.2 27
		2,1	100		23	,,,		Н						01	207	210	2,	211	2,
1		67	45	20	7	37	6			9	34		46	13	54			64	3
	C%	15.5 67	16.6 40	14.0 24	17.8	16.9 25	18.2 4			14.6	19.5 23		14.2 43	12.1 15	16.8 52			16.1 64	9.6 3
2		54			9	22	6				21		41	14	40	47			8
	C%	12.6 57	11.3 29	15.7 25	24.2 9	10.1 15	18.2 4			7.3	11.9 14		12.7 42	13.5 16	12.5 41			11.7 47	23.1 10
			D		В													R	Q
3		21	12		0	12	1			1	12		19	4	17			20	1
	C%	4.8 19	4.3		0.0	5.4	4.5 1			2.4	6.8 8		5.8 17	3.8 4	5.2 15				2.8
4	C%	4 0.9	3 0.9		0.0	0.0	0.0				0		4 1.2	0.0	4 1.2			3 0.8	1
	Ce	5	3		0.0	0.0					0.0		5		5			4	2.3
5	C%	4 0.9	1.4		0.0	3 1.4	0.0			1 2.4	1 0.8		0.7		4 1.2			1.0	0.0
	Co	3			0.0	2					1		2		3			3	0.0
Refused	C%	7 1.7	3 1.3		1 3.8	2.0	1 4.5				0.8		7 2.1		5 1.5				0.0
		6	3								1		5		4				0

	=		======	======				======	== BANNI	ER 2 ===		======					======		=====
										PROMO I				CONSIDE	MENTS			PRICE A	
			Init- iallv	ially	Unlike		Not		Not	MOST RE	SE		Not	Too	Not		Not worth		Not con-
			Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned	busy	busy	it	it	sider	sider
Total	C%	432 100.0 431	269 100.0 246	100.0		217 100.0 148	32 100.0 22	100.0	81 100.0 55	60 100.0 41	173 100.0 118	106 100.0 120	324 100.0 308	105 100.0 117	322 100.0 307	383 100.0 377	47 100.0 50	394 100.0 385	36 100.0 43
None	C%	297 68.8 292	177 65.7 163	104 73.3	29 73.6	152 70.3 104	22 68.2 15	88 67.4	62 76.4	40 65.9 27	123 71.2 84	81 75.9	215 66.3 201	75 71.5 82	218 67.8 205	268 69.9 258	29 61.8 32	269 68.2 258	27 75.5 32
1	C%	64 14.8 63	45 16.7 39	11.7	10.2	35 16.2 24	4 13.6 3	16.9	10 12.7 7		26 15.3 18	9.0	54 16.8 53 K	14 13.7 15	50 15.4 48	57 15.0 57	7 14.1 6	60 15.1 58	4 10.1 4
2	C%	57 13.1 61	41 15.4 38	9.8	3 8.6 4	22 10.1 15	4 13.6 3	13.5	5.5	7.3 3	21 11.9 14	12.4	44 13.4 44	12 11.7 16	44 13.6 44	48 12.4 52	7 15.2 7	52 13.2 55	5 12.9 6
3	C%	4 0.9 6	1 0.4 2	1.3		0.0	0.0	0.0		0.0	0.0	1.7	2 0.6 3	1 1.3 2	0.7 4	2 0.5 3 P	2 4.0 3 0	3 0.8 5	1 1.4 1
4	C%	1 0.3 1	1 0.5 1	0.0		1 0.7 1	0.0	1.1	0.0	0.0	1 0.8 1	0.0	1 0.5 1	0.0	1 0.5 1	0 0.0 0 P	1 3.2 1 0	1 0.4 1	0.0
6	C%	2 0.5 2	0.0 0.0 0	1.4	3.8	0.7 1	0.0	0.0	1.8	2.4	0.0		0.5 1	1 0.5 1	0.5 1	0.5 2	0.0	2 0.5 2	0.0
Refused	C%	7 1.7 6	3 1.3 3	2.6		4 2.0 3	1 4.5 1	1.1	3 3.6 2	3 4.9 2	0.8 1		7 2.1 5	1 1.4 1	5 1.5 4	6 1.7 5	1 1.8 1	7 1.8 6	0.0

		=====							== BANN	ER 2 ===									
										PROMO D		USAGE	NERGY	CONSIDE IMPROVE	MENTS			OPERATI	E COST
			Init- iallv	ially	Unlike		Not		Not	PURCHAS	SE		Not	Too	Not		Not	Con-	Not
			Likely	likely	Likely	-led	-led	CFLs	CFLs	Yes	No	cerned	cerned		busy	it	it	sider	sider
Total		432	269	142	39	217	32	131	81	60	173	106	324	105	322	383	47	394	36
IOCAI	C%	100.0		100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 377	100.0	100.0	100.0
None	C%	193 44.7 194	105 39.1 99 C	51.2 81	16 41.4 17	41.2	59.1	41.6	41.8	34.1	84 48.3 57	52.3	42.4		139 43.3 136	169 44.3 169	22 46.5 23	44.7	45.8
1	C%	73 16.9 72	56 21.0 50 C	10.4 19	5 12.4 5	41 18.9 28	9.1	21.3	14.5	24.4	25 14.4 17	15.6	17.2	17.8	54 16.7 50			16.6	18.8
2	C%	158 36.6 158	104 38.7 94	35.1	16 40.3 15	37.8	27.3		40.0	36.6	63 36.4 43	31.6	38.1		123 38.2 116	140 36.5 137	37.2	36.7	35.4
3	C%	1 0.2 1	0 0.0 0 D	0.6	2.1		0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1 0.3 1		0.0	0.2	0.0
Refused	C%	7 1.7 6	3 1.3 3	2.6	1 3.8 1	2.0	4.5			4.9		0.5	2.1	1.4	5 1.5 4	6 1.7 5		1.8	

	=				======				== BANN	ER 2 ===					======		======		
										PROMO I				CONSIDE IMPROVE	EMENTS			PRICE A	E COST
			ially Likely	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	MOST RE PURCHAS Yes I	SE No	Con- cerned	Not Con- cerned	2	Not too busy	Worth it	Not worth it	Con- sider	Not con- sider
		A	6	C	D			G	n	1	0	K		141	14	0		Q	K
Total	C%	424 100.0 425	262 100.0 241	100.0	39 100.0 39	208 100.0 142	100.0	100.0	100.0	100.0	166 100.0 113		315 100.0 302	100.0	313 100.0 301	374 100.0 371	100.0		36 100.0 43
None	C%	302 71.4 314	192 73.3 180	70.4	27 69.4 27	139 66.9 95	63.6	65.1	69.8	55.0	119 71.7 81		226 71.5 224	70.7	226 72.2 223		75.2	71.2	26 71.6 33
1	C%	52 12.4 49	30 11.5 27	13.4	6.4	31 14.8 21	13.6	14.0	17.0	27.5	16 9.7 11 I	12.9 15		12.7	37 11.7 33		6.0	12.6	
2	C%	61 14.3 55	36 13.6 30	13.5	20.4	34 16.2 23	18.2	19.8	9.4	12.5	29 17.7 20	15.2	44 14.1 39	15.2	45 14.3 40	53 14.1 47	17.0	14.1	6 17.9 7
3	C%	1 0.2 1	0.3 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.3 1	0.2	0.0		0.0
Refused	C%	7 1.7 6	3 1.3 3	2.7	3.8	4 2.1 3	4.5	1.2	3 3.8 2	5.0	1 0.9 1	1 0.5 1	2.1	1.4	5 1.6 4		1.8	1.9	0.0

DSE. How many people usually live in this home...65 and over?
BASE: Households with more than 1 person living there

			FUTU	RE PURC	HASE	CFL INSTAL		CFL STORAGE		PROMO DURING MOST RECENT		HOME EN	NERGY	CONSIDE	ER EE EMENTS	TO USE ENERGY	LESS	PRICE .	AND E COST
			ially Likely	ially Un- likely	Unlike to Likely	Instal	Not Instal -led F	Store CFLs	Not Store CFLs	PURCHAS Yes	SE No	Con- cerned	Not Con- cerned		Not too busy	Worth it	Not worth it	Con- sider	Not con- sider
Total	C%	421 100.0 423	100.0	100.0	100.0		100.0	100.0	100.0	100.0	166 100.0 113	100.0	313 100.0 300	104 100.0 116	312 100.0 300		100.0	100.0	100.0
None	C%	330 78.3 336	81.9	72.5 122	85.5 33	75.9	68.2	80.2	67.9	75.0	125 75.2 85	70.5	254 81.0 246 K	73.1 88		77.2	85.5	78.4	76.6
1	C%	32 7.7 29	6.2	9.4	4.3	9.2	13.6	8.1	11.3		13 8.0 9	8.3	23 7.2 20	7.6	22 7.2 19	8.3	2.9	7.9	5.5
2	C%	51 12.2 51	10.5	14.9	6.4	12.8	13.6	10.5	17.0	5.0		20.7	29 9.3 28 K	19	31 9.9 30 M	12.5 47	9.9	11.5	17.9
3	C%	1 0.2 1	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	_	0.0	1 0.3 1	0.2	0.0	0.2	0.0
Refused	C%	7 1.7 6		2.7			4.5	1.2	3.8			0.5		1.4				1.9	

D6. Lastly, which of the following categories contains your annual household income from all sources in 2004 before taxes? BASE: Total respondents

	=	=====	FUTURE PURCHASE			CFL -INSTALLATION CFL STORAGE PROMO D			HOME ENERGY O DURING USAGE			CONSIDER EE IMPROVEMENTS		E TO USE LESS TS ENERGY		PRICE AND OPERATE COST			
	т	otal	Init- ially Likely	ially Un-	Unlike to	Instal	Not Instal	Store	Not Store	PURCHAS	E 	Con-	Not Con-	Too busy	Not too	Worth	Not worth	Con-	Not con-
														M					
Total	C%	560 100.0 560	340 100.0 314	194 100.0 217	51 100.0 51	280 100.0 191	43 100.0 29	100.0	110 100.0 75	84 100.0 57	214 100.0 146	100.0	415 100.0 396	142 100.0 161	410 100.0 389		63 100.0 68	100.0	53 100.0 62
Less than \$20,000 per year	C%	66 11.7 72		21 11.0 28	9 17.3 9	26 9.4 18	10.3 3	5.4	12	6 7.0 4	22 10.3 15	15.4	44 10.6 48	19 13.2 21	44 10.7 47	11.7	8 13.1 8	11.8	5 8.9 6
\$20,000 to \$49,000	C%	149 26.6 142	86 25.2 77	62 31.7 62	17 32.9 17	81 28.8 55	10 24.1 7	27.7	34 30.7 23	28 33.3 19	59 27.4 40	25.2	113 27.2 104	44 31.0 45	105 25.5 96	27.8	10 16.6 11 0	27.0 126	15 27.6 16
\$50,000 to \$74,000	C%	101 18.0 105	63 18.5 60	31 15.8 37	4 7.8 4	45 16.2 31		13.4		12 14.0 8	44 20.5 30	15.4	79 19.1 79	16 11.4 21 N	85 20.7 84 M	17.9 89	12 19.8 15	17.4	13 25.1 16
\$75,000 to \$99,000	C%	45 8.1 46	26 7.8 23	17 9.0 21		23 8.4 16		8.0	10 9.3 7	7 8.8 5	18 8.2 12	10.0	31 7.5 30	8.9	33 7.9 30	8.5		8.6	4.1
\$100,000 or more	C%	40 7.1 39	28 8.2 25	11 5.6 12	5 9.1 4	25 8.9 17	0.0	10.7	7 6.7 5	6 7.0 4	15 6.8 10	4.9	32 7.8 28	6.0	32 7.7 28	7.0	9.3	7.3	
Don't know	C%	30 5.3 33	20 5.8 18	8 3.9 11	3 4.9 3	12 4.2 8	3.4	3.6	6 5.3 4	3 3.5 2	7 3.4 5	7.1	17 4.2 18		22 5.3 22	5.0			1 1.0 1
Refused	C%	129 23.1 123	75 22.0 68	45 23.1 46	10 19.8 9	67 24.1 46	13 31.0 9	51 31.2 35 H	11	22 26.3 15	50 23.3 34	21.9	98 23.6 89	37 26.3 40	91 22.2 82	22.0	18 29.1 17	22.8	14 26.3 14

		=======================================							======= BANNER 2 ===================================					======	======				
					E PURCHASE Init- Change		LATION					HOME ENERGY USAGE		CONSIDER EE IMPROVEMENTS		TO USE LESS ENERGY		PRICE AND OPERATE COST	
			ially Likely	ially Un- likely	Unlike to Likely	Instal	Not Instal -led	Store CFLs	Not Store CFLs	PURCHAS Yes	SE No	Con- cerned	Not Con- cerned		busy		it		Not con- sider
Total	C%	560 100.0 560	100.0	100.0		280 100.0 191	43 100.0 29		100.0	84 100.0 57	100.0	100.0	100.0	100.0	410 100.0 389	100.0	63 100.0 68	100.0	100.0
Male	C%	232 41.5 234	41.8		40.7	123 44.0 84	31.0		41.3	41 49.1 28		39.8	42.1		166 40.5 156	41.6	27 43.8 32	42.1	34.0
Female	C%	328 58.5 326		59.8	59.3	157 56.0 107			58.7	43 50.9 29		60.2	57.9		244 59.5 233	58.4	35 56.2 36	57.9	66.0

E.3 BANNER 3

			Urban B	urban		urban	urban+ Rural
Total	C%	100.0	279 100.0 276	100.0	100.0	100.0	100.0
East of I5	C%	51.5	99 35.5 97 CD	57.6	100.0 69	45.1	67.5
West of I5	C%		180 64.5 179 CD	42.4			

				Sub- urban C		urban	urban+ Rural
Total	C%			215 100.0 215		100.0	
WA	C%	275 49.2 278			23.7	260 52.6 262 F	31.4
OR	C%	162 28.9 163				29.7	29.8
ID	C%	63 11.2 63	14 5.0 15 CD				17.4
МТ	C%	60 10.7 56	0 0.0 0 CD	38 17.8 32 BD		7.7	21.4

S1. Have you ever heard of compact fluorescent light bulbs or CFLs? BASE: Total respondents

				Sub- urban C		urban	urban+ Rural
Total	C%	100.0	100.0	215 100.0 215	100.0	100.0	100.0
Yes	C%	66.3	68.4	142 66.0 115	58.8	67.3	64.3
No	C%	31.8	29.2	70 32.7 97	40.0	30.7	34.4
Don't know	C%			3 1.3 3		1.9	1.3

NEEA Consumer Lighting Survey (3321)

S2. Compact fluorescent light bulbs, or CFLs, are small fluorescent bulbs that fit in regular light bulb sockets. CFLs look different than standard bulbs. They are often made out of thin tubes of glass bent into loops. Have you ever heard of them?

BASE: Respondents who never heard of CFL's

			Urban		Rural	urban	urban+ Rural
Total	C%		88 100.0 116		100.0		100.0
Yes	C%	62.5		61.4		62.5	61.7
No	C%		32 36.6 64	38.6	37.4		38.3

	-			Sub- urban C		urban	urban+ Rural
Total	С%		100.0	187 100.0 159	100.0	100.0	100.0
Yes	C%	59 12.0 49			5 9.4 4		13.0
No	C%	86.8	87.5	158 84.7 136	90.6		86.0
Don't know	C%	6 1.3 6		2 1.2 2	0.0		0.9

BASE: Respondents who are aware of CFLs

			Urban	urban		urban	urban+ Rural
Total	C%		247 100.0 212	100.0	100.0	100.0	242 100.0 208
Yes	C%	26.4	64 26.1 50	26.2	28.7		26.8
No	C%		152 61.4 134	63.3	65.3		
Don't know	C%		31 12.5 28		6.0		9.5

			Urban B	urban		urban	urban+ Rural
Total	С%	100.0	247 100.0 212	100.0	100.0	100.0	100.0
Yes	C%	65.9	163 65.9 111	67.4	60.9	66.6	
No	C%	32.2	78 31.7 94	31.2		31.5	32.7
Don't know	C%		6 2.4 7		1.5	1.9	

Q1. On how many separate occasions have you purchased them?

BASE: CFL Purchaser

			Urban			urban	urban+ Rural
		A	6	C	D		
Total	C%	323 100.0 220	163 100.0 111				
1	C%	54 16.8 37	29 18.0 20	21 16.3 14			15.6
2	C%	72 22.3 49	26 16.2 18 C	37 29.1 25 B	9 26.1 6		28.4
3	C%	54 16.8 37	31 18.9 21	19 15.1 13	4 13.0 3		14.7
4	C%	34 10.5 23		13 10.5 9		9.6	11.9
5-6	C%	35 10.9 24	13 8.1 9	18 14.0 12	13.0 3	10.7	13.8
More than 6	C%	37 11.4 25	26 16.2 18 C	6 4.7 4 B	13.0 3		6.4
	MEAN:	5.1	5.0 C	3.3 B	11.8	4.3	5.2

Q1. On how many separate occasions have you purchased them?

BASE: CFL Purchaser

				Sub- urban C		urban	urban+ Rural
Don't know	C%	37 11.4 25		13 10.5 9	4.3		9.2
	MEAN:	5.1	5.0 C	3.3 B	11.8	4.3	5.2

		Urban		Rural	urban	urban+ Rural
Total	323 % 100.0 220				289 100.0 197	100.0
This fall	12 % 3.6 8		4 3.5 3			2.8
Within the last year	78 % 24.1 53					29.4
Less than two years ago	60 % 18.6 41		23 18.6 16		57 19.8 39	16.5
Less than five years ago C	111 % 34.5 76					
Less than 10 years ago C						11.0
More than 10 years ago C	12 % 3.6 8		3 2.3 2	1 4.3 1		2.8
Don't know	21 % 6.4 14	15 9.0 10	6 4.7 4		21 7.1 14	3.7

Q2B. When was your most recent CFL purchase? Would you say it was... BASE: CFL Purchaser within the last year

		Urban B			urban	urban+ Rural
Total CS	311 100.0 212	100.0				
This fall	60 19.3 41	37 23.6 25				
Within the last year	123 \$ 39.6 84				107 38.6 73	44.3
Less than two years ago						25.5
Less than five years ago C9	32 10.4 22			1 4.3 1		
Less than 10 years ago			3 2.4 2	0.0	1.6 3	1.9
Don't know	23 7.5 16	16 10.4 11	7 6.0 5	0.0	23 8.5 16	

Q3. Thinking back over the past year, how many CFLs have you purchased? BASE: CFL Purchaser within the past year

				Sub- urban C		urban	urban+ Rural
Total	C%	183 100.0 125	91 100.0 62	73 100.0 50	19 100.0 13	164 100.0 112	100.0
None	C%	23 12.8 16	10 11.3 7	9 12.0 6	4 23.1 3	19 11.6 13	14.3
1	C%	18 9.6 12	9 9.7 6	6 8.0 4	3 15.4 2		9.5
2	C%	16 8.8 11	3 3.2 2 C	12 16.0 8 B	7.7 1	15 8.9 10	14.3
3	C%	12 6.4 8	7 8.1 5	4 6.0 3	0.0	12 7.1 8	4.8
4	C%	16 8.8 11	10 11.3 7	6 8.0 4	0.0	16 9.8 11	6.3
5	C%	13 7.2 9	7 8.1 5	1 2.0 1		9 5.4 6	6.3
6	C%	26 14.4 18	13 14.5 9	9 12.0 6	23.1 3	22 13.4 15	14.3

Q3. Thinking back over the past year, how many CFLs have you purchased? BASE: CFL Purchaser within the past year

	-					+sub- urban	Rural
7-10	G\$	18	10	7	0	18	7 7.9
	Ca	12	7	5	0.0	12	5
More than 10	C%	19.2	19.4	16 22.0 11	7.7	20.5	18 19.0 12
Don't know	C%	6 3.2 4		3 4.0 2			3 3.2 2
				7.5			7.0

NEEA Consumer Lighting Survey (3321) Q4. Where have you purchased them?

BASE: CFL Purchasers

			Urban			urban	urban+ Rural
Total	C%	323 100.0 220			34 100.0 23	289 100.0 197	100.0
Home centers	C%	135 41.8 92		34.9		128 44.2 87 F	32.1 35
Discount Department Stores	C%	73 22.7 50		30.2			31.2
Buying clubs	C%	37 11.4 25	13 8.1 9		7 21.7 5	29 10.2 20	14.7
Hardware stores	C%	57 17.7 39		19.8	21.7		20.2
Supermarkets	C%	18 5.5 12			3 8.7 2	15 5.1 10	4.6
Lighting supply stores	C%			4 3.5 3		7 2.5 5	
Mail Order Catalog	C%	3 0.9 2			0.0	3 1.0 2	0.0

BASE: CFL Purchasers

			Urban	urban		urban	urban+ Rural
Over the Internet	C	1 0.5 1	1 0.9 1	0.0	0.0	1 0.5 1	0.0
Other	C;	4 1.4 3	1 0.9 1	1 1.2 1	1 4.3 1	3 1.0 2	3 1.8 2
Don't know	Cs	12 3.6 8	5.4	3 2.3 2	0.0	12 4.1 8	

BASE: CFL Purchasers

	Total A		Sub- urban C		urban	urban+ Rural
Total C%	323 100.0 220	163 100.0 111	126 100.0 86	34 100.0 23	289 100.0 197	
Reduce electricity bill C%	66 20.5 45	32 19.8 22	25 19.8 17	9 26.1 6	57 19.8 39	
Save/conserve energy	204 63.2 139	101 62.2 69	82 65.1 56	21 60.9 14	183 63.5 125	64.2
Extra cost for CFL was minimal C%	18 5.5 12	13 8.1 9	4 3.5 3	0.0	18 6.1 12	2.8
Energy savings worth the extra up-front costC%	38 11.8 26	21 12.6 14	13 10.5 9	4 13.0 3	34 11.7 23	
Cost savings worth the extra up-front cost C%	19 5.9 13	12 7.2 8	6 4.7 4	1 4.3 1	18 6.1 12	
It is the "right thing to do" C%	3 0.9 2	1 0.9 1	1 1.2 1	0.0	3 1.0 2	
Product works better/is higher quality C%	13 4.1 9	7 4.5 5	4 3.5 3	1 4.3 1	12 4.1 8	6 3.7 4

		l Urban B	urban		urban	Rural
Like to have new, hig tech products		.4 2.7		0.0	1.5	
Friends/family suggested		4 1 .4 0.9 3 1				
To try them out	C% 5	19 10 .9 6.3 13 7		4.3		5.5
Other	C% 0	1 1 .5 0.9	0.0	0.0	1 0.5 1	0.0
Don't know	C% 1	4 1 .4 0.9 3 1		0.0		

	-		Urban	urban		+sub- urban		
Total	C%	100.0	100.0	100.0	100.0	100.0	160 100.0 109	
Yes	C%	25.9	31.5	19.8	21.7	26.4	32 20.2 22	
No	C%	66.4	59.5	72.1	78.3	65.0	117 73.4 80	
Don't know	C%	7.7	9.0	8.1	0.0	8.6	10 6.4 7	

Q20. Thinking about your most recent purchase, how much did you pay PER BULB for your CFLs? BASE: CFL Purchasers

	-			Sub- urban C		urban	urban+ Rural
Total	C%	323 100.0 220	100.0		100.0		160 100.0 109
\$1	C%	15 4.5 10	9 5.4 6	3.5 3	1 4.3 1	13 4.6 9	6 3.7 4
\$2	C%	19 5.9 13	9 5.4 6	7 5.8 5	3 8.7 2	16 5.6 11	10 6.4 7
\$3	C%	21 6.4 14	6 3.6 4	12 9.3 8	3 8.7 2	18 6.1 12	
\$4	C%	12 3.6 8	6 3.6 4	4 3.5 3	1 4.3 1		
\$5	C%	16 5.0 11	7 4.5 5	4.7 4	3 8.7 2	13 4.6 9	9 5.5 6
\$6-\$9	C%	15 4.5 10	6 3.6 4	6 4.7 4	3 8.7 2	12 4.1 8	9 5.5 6

BASE: CFL Purchasers

			Urban	urban		urban	urban+ Rural
\$10 or more	C%	5.0	10 6.3 7	3.5	4.3	5.1	3.7
Don't know	C%	55.9	98 60.4 67	54.7	39.1	57.9	51.4
Refused	C%		12 7.2 8		13.0	8.6	
	MEAN:	6.21	5.92	6.73	5.73	6.29	6.46

NEEA Consumer Lighting Survey (3321) Q6. Can you recall how you first became aware of CFLs? BASE: CFL Purchasers

				Sub-		Urban +sub-	urban+
			Urban	urban	Rural		
Total		323	163	126	34	289	160
	С%	100.0	100.0	100.0	100.0	100.0	100.0
		220	111	86	23	197	109
In store display/sale/ point of purchase mat	C2	44 13.6	19 11.7	16 12.8	9 26.1	35 12.2	25 15.6
point of parenase mat	C 8	30	13	11	6	24	
Ad on television/		131	66	54	10	120	65
Internet/newspaper/etc	С%		40.5	43.0	30.4	41.6	
		89	45	37	7	82	44
		4.5	0.5	1.0		4.0	0.0
Word of mouth	C%	47 14.5	25 15.3	18 14.0	13.0	43 14.7	22 13.8
		32	17	12	3	29	15
Sales person		9	4	3	1	7	_
	С%	2.7	2.7	2.3	4.3	2.5	2.8
		Ü	5	-	_	3	3
Consumer Reports		13	7	6	0	13	6
companier reports	С%	4.1	4.5	4.7	0.0	4.6	
		9	5	4	0	9	4
ENERGY STAR Program	a.	10 3.2	3 1.8	7 5.8	0.0	10 3.6	
	С%	7	1.8	5.8	0.0	3.6 7	4.6
Utility (bill insert or	:	34	15	10	9	25	19
mailing/announcement)		10.5	9.0	8.1	26.1	8.6	11.9
		23	10	7	6	17	13

BASE: CFL Purchasers

			Urban B		Rural	urban	urban+ Rural
Announcement by gov or other gov official					0.0		0.9
Received CFL for Free, in the Mail	C%			1 1.2 1			1.8
Coupon in the mail	C%	9 2.7 6		1 1.2 1	4.3		3 1.8 2
While shopping/noticed them at store	C%		3 1.8 2		1 4.3 1		0.9
Other	C%	1.4 3		3 2.3 2			1.8
Don't know	C%	31 9.5 21	10.8	12 9.3 8	4.3		8.3

NEEA Consumer Lighting Survey (3321) Q7A. Do you currently have any CFLs installed in your home?

BASE: CFL Purchasers

			Sub- urban C	urban	urban+ Rural
Total			126		
	С%		100.0 86		
Yes	C%		113 89.5 77	86.8	89.0
No	C%		13 10.5 9		11.0

			Urban	urban		urban	urban+ Rural
Total	C%	100.0	138 100.0 94	100.0	100.0	100.0	142 100.0 97
1	C%	11.0	7.4	13.0	20.0	9.9	21 14.4 14
2	C%	35 12.6 24	13.8	13 11.7 9	10.0	32 12.9 22	16 11.3 11
3	C%		20.2	9.1	15.0	15.2	15 10.3 10
4	C%	28 9.9 19		15 13.0 10	0.0	28 11.1 19	10.3
5	C%	18 6.3 12	6 4.3 4	7.8	10.0		12 8.2 8
6	C%	32 11.5 22	9.6	13.0	4 15.0 3		

			Urban		Rural	urban	urban+ Rural
7-10	C%	31 11.0 21	13 9.6 9		4 15.0 3		
11-20	C%	43 15.2 29	22 16.0 15		4 15.0 3	38 15.2 26	14.4
More than 20	C%	13 4.7 9	7 5.3 5	6 5.2 4		13 5.3 9	
Don't know	C%	4 1.6 3	3 2.1 2	1 1.3 1	0.0	1.8 3	
Refused	C%	3 1.0 2	3 2.1 2	0.0	0.0	3 1.2 2	
	MEAN:	6.99	7.16	7.09	5.85	7.13	6.83

				Sub- urban C	Rural	urban	
Total	C%	280 100.0 191	138 100.0 94	113 100.0 77		251 100.0 171	100.0
Yes	C%	164 58.6 112				155 62.0 106 F	47.4
No	C%	110 39.3 75	40 28.7 27 C	50 44.2 34 B	21 70.0 14	89 35.7 61 F	
Don't know	C%	6 2.1 4	1 1.1 1	4 3.9 3	0.0	6 2.3 4	4 3.1 3

Q8B. How many?

BASE: CFL Purchasers who are storing any

				Sub- urban	Rural	urban	urban+ Rural
Total	C%	164 100.0 112	100.0	59 100.0 40	100.0	100.0	67 100.0 46
1	C%	16.1	15.2	15.0	33.3	15.1	12 17.4 8
2	C%		28.8		0.0		16 23.9 11
3	C%		12 12.1 8		0.0		9 13.0 6
4	C%	13.4		17.5		14.2	10 15.2 7
5-10	C%	29 17.9 20	21.2		1 16.7 1	17.9	13.0
More than 10	C%		3.0	3 5.0 2	33.3	3.8	8.7

2006/02/27

Q8B. How many?

BASE: CFL Purchasers who are storing any

			Urban B		Rural	+sub- urban	
Don't know	C%	12 7.1 8	6 6.1 4	7.5 3	1 16.7 1	10 6.6 7	6 8.7 4
Refused	C%	1 0.9 1	1 1.5 1	0.0	0.0	1 0.9 1	0.0
	MEAN:	4.48	4.74	3.78	6.40	4.38	4.10

		Total A	Urban	Sub- urban C	Rural D	Urban +sub- urban E	urban+ Rural
Total	C%	100.0	100.0	59 100.0 40	100.0	100.0	100.0
None	C%	1 0.9 1	0.0	2.5	0.0	1 0.9 1	2.2
1	C%	17.0	18.2	7 12.5 5	33.3	16.0	15.2
2	C%	20.5	18.2	15 25.0 10	16.7	20.8	23.9
3	C%	29 17.9 20	22 22.7 15	7 12.5 5	0.0	29 18.9 20	7 10.9 5
4-6	C%		13.6	10 17.5 7		15.1	19.6
7-10	C%		10.6	9 15.0 6	1 16.7 1	12.3	15.2

			Urban	urban		urban	urban+ Rural
More than 10	C%		10 10.6 7	12.5	0.0	11.3	10.9
Don't know	C%		6 6.1 4				
	MEAN:	5.43	5.31	5.95	3.50	5.55	5.61

BASE: CFL Purchasers who are storing any

	-			Sub- urban C		urban	urban+ Rural
Total	C%	164 100.0 112	97 100.0 66	59 100.0 40	9 100.0 6	155 100.0 106	100.0
None	С%	7 4.5 5	3 3.0 2	4 7.5 3	0.0	7 4.7 5	
1	C%	28 17.0 19	18 18.2 12	7 12.5 5	3 33.3 2	25 16.0 17	
2	C%	47 28.6 32	32 33.3 22	15 25.0 10	0.0	47 30.2 32	21.7
3	C%	21 12.5 14	10 10.6 7	9 15.0 6	1 16.7 1	19 12.3 13	
4-6	C%	35 21.4 24	19 19.7 13	13 22.5 9	3 33.3 2	32 20.8 22	
More than 6	C%	16 9.8 11	7 7.6 5	7 12.5 5	1 16.7 1	15 9.4 10	
	MEAN:	3.72	3.84	3.42	4.50	3.68	3.57

BASE: CFL Purchasers who are storing any

		Total A			Rural D	urban	urban+ Rural
Don't know	C%				0.0	10 6.6 7	4.3
	MEAN:	3.72	3.84	3.42	4.50	3.68	3.57

BASE: CFL Purchaser

	-		Urban	urban		urban	urban+ Rural
Total	C%	100.0	163 100.0 111	100.0	100.0	100.0	100.0
Yes	C%	15.9	31 18.9 21	9.3	26.1	14.7	
No	C%	82.3	131 80.2 89	87.2	73.9	83.2	
Don't know	C%	1.8		3.5	0.0	2.0	4 2.8 3

	BANNER	3	=======================================	
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	-			Sub- urban C		urban	urban+ Rural
Total	C%	51 100.0 35	31 100.0 21	12 100.0 8	9 100.0 6	43 100.0 29	
1	C%	18 34.3 12	10 33.3 7	4 37.5 3	3 33.3 2	15 34.5 10	
2	C%	12 22.9 8	9 28.6 6	1 12.5 1	1 16.7 1	10 24.1 7	3 14.3 2
3	C%	6 11.4 4	3 9.5 2	3 25.0 2	0.0	6 13.8 4	3 14.3 2
5	C%	1 2.9 1	0.0	1 12.5 1	0.0	1 3.4 1	7.1
6	C%	3 5.7 2	3 9.5 2	0.0	0.0	3 6.9 2	
Don't know	C%	10 20.0 7	4 14.3 3	1 12.5 1	4 50.0 3	6 13.8 4	
	MEAN:	2.11	2.18	2.29	1.33	2.21	2.00

Q9B. How many did you remove?
BASE: CFL purchasers who removed them

		Total A	Urban	Sub- urban C	Rural	urban	urban+ Rural
Refused	C%	1 2.9 1	1 4.8 1	0.0			
	MEAN:	2.11	2.18	2.29	1.33	2.21	2.00

2006/02/27

Q10A1. What was the MAIN reason for taking the bulb(s) out? Was it because: BASE: CFL purchasers who removed bulbs

			Urban B		Rural	urban	urban+ Rural
Total	C%	51 100.0 35	31 100.0 21	12 100.0 8	9 100.0 6	43 100.0 29	21 100.0 14
It burned out	C%	9 17.1 6	14.3	4 37.5 3	0.0	20.7	21.4
You didn't like the color			14.3	25.0	16.7	17.2	4 21.4 3
It took too long to start up	C%		4 14.3 3				
It wasn't bright enough	n C%	15 28.6 10	10 33.3 7	1 12.5 1	3 33.3 2	12 27.6 8	4 21.4 3
You didn't like the way it looked	Y C%	1 2.9 1	0.0	0.0	16.7	0.0	7.1
It didn't fit	C%	1 2.9 1	4.8	0.0	0.0	3.4	0.0
Other	C%	9 17.1 6		25.0		20.7	3 14.3 2

2006/02/27

		Гotal А	Urban	Sub- urban C	Rural	urban	
Don't know	C%	1 2.9 1	0.0	0.0	1 16.7 1	0.0	7.1 1
Refused	C%	1 2.9	0.0				1 7.1

BASE: CFL purchasers who removed bulbs

Q10A2. All other reasons

BASE: CFL purchasers who removed bulbs and had a reason for removing bulbs

	-			Sub- urban C		urban	Rural
Total	C%			12 100.0			
				8			
You didn't like the color		3	1	1	0	3	1
color	C%	6.1	4.8	12.5		6.9	
No other reason		45	29	10	6	40	16
	С%			87.5			
		31	20	7	4	27	11

BASE: CFL purchasers

		Urban B			urban	urban+ Rural
Total C%	100.0	100.0	126 100.0 86	100.0		
1-not at all satisfied C%	16 5.0 11	5.4	3.5	8.7	4.6	4.6
2 C%	3 0.9 2				1.0	0.9
3 C%	12 3.6 8	9 5.4 6			12 4.1 8	3 1.8 2
4 C%		0 0.0 0		0.0	0.5	0.9
5 C%	29 9.1 20		4 3.5 3 B	13.0 3	8.6	5.5
6 C%	10 3.2 7	3.6	2.3	4.3	3.0	2.8

			Urban	urban		urban	urban+ Rural
7	C%	25 7.7 17	13 8.1 9	10 8.1 7		23 8.1 16	7.3
8	C%	60 18.6 41	28 17.1 19	25 19.8 17	7 21.7 5	53 18.3 36	20.2
9	C%	29 9.1 20	9 5.4 6		13.0 3	25 8.6 17	12.8
10-Very Satisfied	C%	132 40.9 90	65 39.6 44	56 44.2 38	34.8		42.2
Don't know	C%	1.4 3	3 1.8 2	1 1.2 1	0.0	4 1.5 3	0.9
	MEAN:	7.89	7.61	8.31	7.70	7.91	8.18

BASE: CFL purchasers

	-		Urban B		Rural		urban+ Rural
Total	C%		163 100.0 111				100.0
1-Not at all satisfied	C%	18 5.5 12	12 7.2 8		1 4.3 1	16 5.6 11	
2	C%		10 6.3 7	3.5			2.8
3	C%		32 19.8 22	18.6	21.7		
4	C%	72 22.3 49		31 24.4 21			24.8
5-Very satisfied	C%	141 43.6 96	69 42.3 47	57 45.3 39	15 43.5 10	126 43.7 86	
Don't know	C%	15 4.5 10	7 4.5 5	4.7	4.3		4.6
MEAN:		3.99	3.88	4.10	4.09	3.97	4.10

Q12B. How would you rate the CFLs you have recently purchased in terms of... The brightness of the light they provide?

BASE: CFL purchasers

		Urban		Rural	urban	urban+ Rural
Total	% 100.0	163 100.0 111	100.0	100.0	100.0	100.0
1-Not at all satisfied C	18 5.5 12	7.2	3.5	4.3	16 5.6 11	3.7
2	22 % 6.8 15	15 9.0 10	3 2.3 2	13.0	18 6.1 12	4.6
3 C		16 9.9 11 C		17.4		20.2
4	84 25.9 57	47 28.8 32		34.8	24.9	22.9
5-Very satisfied	144 44.5 98					
Don't know	7 2.3 5	2.7	2.3	0.0	2.5	1.8
MEAN:	4.00	3.93	4.15	3.74	4.03	4.07

Q12C. How would you rate the CFLs you have recently purchased in terms of... The amount of time they take to light up?

BASE: CFL purchasers

		Urban		Rural		urban+ Rural
Total	323 % 100.0 220		100.0	100.0	100.0	100.0
1-Not at all satisfied C	22 % 6.8 15	7.2	7.0	4.3	7.1	10 6.4 7
2	26 8.2 18	9.0	9 7.0 6	8.7	8.1	7.3
3 C	19.1	38 23.4 26	14.0	17.4	19.3	14.7
4		26 16.2 18		39.1	17.3	22.9
5-Very satisfied	132 40.9 90	62 37.8 42	60 47.7 41	10 30.4 7		
Don't know	18 5.5 12	6.3	5.8	0.0	18 6.1 12	4.6
MEAN:	3.84	3.73	3.99	3.83	3.84	3.95

Q12D. How would you rate the CFLs you have recently purchased in terms of... Their compatibility with dimmer and three-way switches? BASE: CFL purchasers

				Sub- urban C			urban+ Rural
Total	C%	323 100.0 220	163 100.0 111			289 100.0 197	100.0
1-Not at all satisfied	C%		18 10.8 12	7 5.8 5	7 21.7 5	25 8.6 17	9.2
2	C%	18 5.5 12	7 4.5 5	10 8.1 7	0.0		6.4
3	C%	18 5.5 12	7 4.5 5	9 7.0 6	1 4.3 1	16 5.6 11	6.4
4	C%	18 5.5 12	15 9.0 10	3 2.3 2	0.0	18 6.1 12	1.8
5-Very satisfied	C%	44 13.6 30	22 13.5 15	19 15.1 13	3 8.7 2	41 14.2 28	13.8
Don't know	C%	192 59.5 131	94 57.7 64				61.5
MEAN:		3.18	3.23	3.33	2.25	3.27	3.12

Q12D. How would you rate the CFLs you have recently purchased in terms of... Their compatibility with dimmer and three-way switches?

BASE: CFL purchasers

		Гotal А	Urban B		Rural	urban	urban+ Rural
Refused	C%	1 0.5 1	0.0	1 1.2 1	0.0	1 0.5 1	1 0.9 1
	MEAN:	3.18	3.23	3.33	2.25	3.27	3.12

Q12E. How would you rate the CFLs you have recently purchased in terms of... The way they fit into light fixtures?

BASE: CFL purchasers

		Urban B		Rural	urban	urban+ Rural
Total	% 100.0	163 100.0 111	100.0	100.0	100.0	100.0
1-Not at all satisfied C	12 3.6 8	1.8	5.8	4.3	10 3.6 7	5.5
2	18 % 5.5 12	5.4	5.8	4.3	16 5.6 11	5.5
3 C		28 17.1 19	10.5	4.3		9.2
4 C	63 19.5 43	38 23.4 26	14.0	21.7	19.3	15.6
5-Very satisfied	180 % 55.9 123	48.6	55	21 60.9 14	160 55.3 109	101 63.3 69
Don't know	7 % 2.3 5	3.6	0.0	4.3	2.0	0.9
MEAN:	4.21	4.16	4.24	4.36	4.20	4.27

BASE: CFL purchasers

		Urban		Rural		urban+ Rural
Total	C% 100.0	163 100.0 111	100.0	100.0	100.0	100.0
1-Not at all satisfied	13 C% 4.1 9	3.6	3.5	8.7	3.6	4.6
2	35 2% 10.9 24	15.3	8.1	0.0	35 12.2 24	6.4
3		29 18.0 20		17.4		22.0
4		22 13.5 15		26.1	15.2	19.3
5-Very satisfied	128 39.5 87	65 39.6 44			113 39.1 77	
Don't know		16 9.9 11	9.3	4.3		8.3
MEAN:	3.84	3.78	3.87	4.00	3.82	3.90

Q12G. How would you rate the CFLs you have recently purchased in terms of... How long they last before burning out?

BASE: CFL purchasers

		Urban		Rural		urban+ Rural
Total	323 % 100.0 220			100.0	100.0	100.0
1-Not at all satisfied	13 4.1 9	3.6	3.5		10 3.6 7	4.6
2	7 2% 2.3 5	2.7	1 1.2 1	4.3	2.0	1.8
3		10 6.3 7	8.1	4.3	7.1	7.3
4		31 18.9 21 C				11.0
5-Very satisfied	183 % 56.8 125	82 50.5 56 C	82 65.1 56 B	19 56.5 13	164 56.9 112	
Don't know	48 15.0 33	18.0	14.0	1 4.3 1		11.9
MEAN:	4.39	4.34	4.51	4.18	4.42	4.44

			Urban	Sub- urban C	Rural	urban	urban+ Rural
Total	C%	323 100.0 220	163 100.0 111	126 100.0 86	34 100.0 23		100.0
Lasts longer before burning out	C%	150 46.4 102	78 47.7 53	59 46.5 40	13 39.1 9	136 47.2 93	45.0
Reduces electricity bill / Saves money	C%	73 22.7 50	37 22.5 25		13 39.1 9	20.8	22.9
Saves / conserves energy	C%	144 44.5 98	76 46.8 52	47 37.2 32	21 60.9 14		42.2
Resource conservation benefits	C%	15 4.5 10	12 7.2 8	3 2.3 2	0.0	15 5.1 10	1.8
It works better/ is higher quality	C%	34 10.5 23	15 9.0 10	16 12.8 11	3 8.7 2		
Other	C%	9 2.7 6	7 4.5 5	1 1.2 1	0.0		
Don't know	C%	22 6.8 15	10 6.3 7	12 9.3 8	0.0	22 7.6 15	12 7.3 8

				Sub- urban C		urban	
Total	C%	280 100.0 191	138 100.0 94	113 100.0 77	29 100.0 20	251 100.0 171	100.0
1-Not at all like	-Y C%	15 5.2 10	7 5.3 5	6 5.2 4	1 5.0 1	13 5.3 9	
2	C%	4 1.6 3	3 2.1 2	0.0	1 5.0 1	3 1.2 2	1.0
3	C%	35 12.6 24	22 16.0 15	9 7.8 6	4 15.0 3	31 12.3 21	9.3
4	C%	37 13.1 25	16 11.7 11	21 18.2 14	0.0	37 14.6 25	
5-Very likely	C%	186 66.5 127			21 70.0 14	166 66.1 113	68.0
Don't know	C%	3 1.0 2	0.0	1 1.3 1	1 5.0 1	1 0.6 1	2.1
	MEAN:	4.35	4.29	4.45	4.32	4.36	4.42

				Sub- urban C		urban	
Total	C%	560 100.0 560	279 100.0 276	215 100.0 215	65 100.0 69	495 100.0 491	281 100.0 284
1-Not at all likely	? C%	140 25.0 155	71 25.4 81	54 24.9 58	15 23.7 16	125 25.2 139	69 24.6 74
2	C%	54 9.7 62	29 10.3 31	19 8.7 23	7 10.1 8	48 9.6 54	25 9.0 31
3	C%	104 18.5 106	53 19.0 54	33 15.1 35 D	18 27.4 17 C	86 17.3 89	50 18.0 52
4	C%	68 12.1 67	30 10.8 29	29 13.6 28	8 12.7 10	59 12.0 57	38 13.4 38
5-Very likely	C%	169 30.1 141	81 29.1 65	74 34.2 62 D	14 21.1 14 C	155 31.3 127	88 31.2 76
Don't know	C%	26 4.6 29	15 5.3 16	7 3.5 9	3 5.1 4	22 4.5 25	11 3.8 13
И	MEAN:	3.13	3.08	3.24	2.97	3.15	3.18

FIB. Why are you likely to purchase CFLs in the next year? BASE: Likely to purchase CFLs

			1	Sub-			urban+
			Urban	urban C	Rural		
Total		107	49	40	18	89	58
	С%	100.0 155	100.0 69	100.0	100.0 26	100.0 129	100.0 86
		133	09	00	20	129	80
Saves energy/efficient		28	13	10	5	23	15
baves energy, erricient	C%	25.8	26.1	25.0	26.9	25.6	25.6
		41	18	16	7	34	23
C		21	9	9	4	17	13
Saves money on electricity	С%		17.5				
-		33	13	13	7	26	20
Last longer	C%	12 10.9	7 14.1	4 10.0	1 4.6	11 12.2	
	Co	16.9	9	6	1	15.2	
Curious/To try them		17	4	8	5	12	
	С%	15.6 24	7.6	19.6 11	28.7 7	13.0 17	
		21	C	В	,	Ξ,	10
Might try them with		1	0	0	1	0	1
coupon/discount	С%			0.0			
		1	0	0	1	0	1
Interested but need		4	2	1	0	4	1
more information	С%		4.5	3.3		4.0	
		5	3	2	0	5	2
Provide better light	C%	1.6	3.4	0.0	0.0	2 1.9	
		2	2	0	0	2	

F1B. Why are you likely to purchase CFLs in the next year?

BASE: Likely to purchase CFLs

			Urban	urban		urban	
Other	C%	5 4.2 7	3 5.5 4	2 4.6 3	0.0	5 5.1 7	2 3.2 3
Don't know	C%		10 21.3 14	14.2			13.5
Refused	C%		0.0				1.4

			Urban B		Rural	urban	urban+ Rural
Total	C%	89 100.0 131	39 100.0 56	34 100.0 51	17 100.0 24	72 100.0 107	100.0
Saves energy/efficient	C%	9 9.7 12	4 10.7 5	4 11.9 6	1 3.0 1	8 11.3 11	9.0
Saves money on electricity	C%	2 2.6 4	0 0.0 0 C	2 7.0 4 B	0.0	2 3.2 4	4.7
Last longer	C%	5 5.4 7	3 7.7 4	1 4.0 2	1 3.0 1	4 6.0 6	
Curious/To try them	C%	1 0.6 1	1 1.3 1	0.0	0.0	1 0.7 1	0.0
Provide better light	C%	3 2.8 3	1 2.1 1	2 5.0 2	0.0	3 3.5 3	3.3
Other	C%	2 1.9 2	1 2.1 1	1 2.5 1	0.0	2 2.3 2	1.7
No other reason	C%	72 80.9 107	29 75.9 44	27 80.1 41	16 94.0 22	56 77.9 85	

FZA. Why are you unlikely to purchase CFLs in the next year? BASE: Unlikely to purchase

		Total A		Sub- urban C			Rural
Total	C%	220 100.0 246	115 100.0 128	80 100.0 90	25 100.0 28	195 100.0 218	
Too costly/expensive	C%	13 6.1 18	6 5.4 9	7 8.3 8	1 2.0 1	13 6.6 17	6.8
Storing a bunch/bought multi-pack, don't need		47 21.4 49	19 16.8 21	21 26.9 22	6 24.5 6		26.3
Used to regular bulbs/ happy with them	C%	17 7.6 21	9 8.1 12	7 9.4 9	0.0	17 8.6 21	7.1
Don't like light/Not bright	C%	38 17.1 33	27 23.3 23 C	9 11.5 8 B	2 6.6 2	36 18.5 31 F	10.3 10
Don't need any lights	C%	20 9.1 21	8 6.6 8	6 7.0 6	7 26.6 7	13 6.8 14	11.8
Don't sell in this are /hard to find	a C%	3 1.3 3	1 1.3 1	1 0.6 1	1 3.3 1	1.0 2	1.3
Don't fit my fixtures	C%	8 3.7 8	4 3.9 5	2 2.9 2	1 5.8 1	7 3.5 7	3.6

	-			urban	Rural	urban	urban+ Rural
Burn out too fast	С%	8 3.4 6	4 3.3 3		1 5.8 1	3.1	3.6
Not interested	С%	9 3.9 12	4 3.5 6	4 5.2 5	2.0	8 4.2 11	4.4
Don't know enough about them to decided	C%	16 7.4 22	12 10.3 15		1 2.0 1		4.3
	C%				0.0		2.1
Other	C%	0.7			0.0		1.4
Don't know	C%	39 17.9 51		17.3		17.4	18.3
Refused	C%	1 0.7 1	0.0		0.0		1.4

NEEA Consumer Lighting Survey (3321) F2B. Are there any other reasons?
BASE: Unlikely to purchase

				urban	Rural	urban	urban+ Rural
Total	C%		100.0	100.0			100.0
Too costly/expensive	C%	1 1.1 1	1 1.9 1	0.0	0.0	1 1.2 1	0.0
Don't like light/Not bright	C%	1 0.6 1	1 1.1 1	0.0	0.0	1 0.7 1	0.0
No other reason	C%	132 98.3 145	97.0		100.0	118 98.1 130	100.0

	-			Sub- urban C			urban+ Rural
Total	C%	145 100.0 141	81 100.0 78	48 100.0 48	16 100.0 15	129 100.0 126	
1-Not at all likel	.y C%	52 36.1 52	29 35.4 29	18 36.4 18	6 38.7 5	46 35.7 47	
2	C%	19 12.9 17	12 15.3 11	5 11.3 5	1 5.3 1	18 13.8 16	
3	C%	27 18.7 28	17 20.4 16	9 18.6 10	2 10.6 2	25 19.7 26	
4	C%	14 9.8 14	7 8.8 7	5 11.3 5	2 10.6 2	13 9.7 12	
5-Very likely	C%	19 13.4 18	7 8.8 7	8 16.0 7	5 29.4 4	15 11.5 14	
Don't know	C%	13 9.1 12	9 11.4 8	3 6.5 3	1 5.3 1	12 9.6 11	
	MEAN:	2.47	2.33	2.57	2.86	2.42	2.64

BASE: Now likely to purchase

			Urban	Sub- urban C		urban	urban+ Rural
Total	C%	61 100.0 60	31 100.0 30	22 100.0 22	8 100.0 8	53 100.0 52	30 100.0 30
Saves energy/efficient	C%	12 19.2 14	7 21.7 8	4 18.8 5	1 10.5 1	11 20.5 13	16.6
Saves money on electricty	C%	9 14.8 10	4 12.9 4	4 18.8 5	1 10.5 1	8 15.4 9	
They last much longer	C%	7 11.4 6	2 7.5 2	4 17.0 3	1 10.5 1	6 11.5 5	
Curious to try them	C%	10 16.8 10	5 17.7 5	2 7.5 2	3 39.5 3	7 13.4 7	16.0
Price of blubd is less than I thought	C%	2 2.7 2	1 2.7 1	1 3.8 1	0.0	2 3.2 2	2.8
Will fit most of my fixtures	C%	4 6.2 3	4 12.3 3	0.0	0.0	7.1 3	0.0
Other	C%	1 2.4 1	0.0	0.0	1 18.5 1	0.0	1 4.9 1

UF1B. What changed your mind to make you say you're now likely to buy a CFL in the next year?

BASE: Now likely to purchase

		Total A	Urban		Rural		Rural
Don't know	C%	14 23.7 12	7 22.5 6	7 30.3 5	1 10.5 1	14 25.7 11	8 25.0 6
Refused	C%	2 2.7 2	1 2.7 1	1 3.8 1	0.0	2 3.2 2	

			Urban		Rural	urban	
Total	C%	46 100.0 47	24 100.0 24	15 100.0 16	7 100.0 7	38 100.0 40	22 100.0 23
Saves energy/efficient	C%	3 6.9 3	1 3.5 1	2 15.7 2		3 8.2 3	10.6
Saves money on electricty	C%	2 5.1 2	2 9.7 2		0.0	2 6.0 2	0.0
They last much longer	C%	1 1.8 1	0.0	1 5.7 1	0.0	1 2.2 1	3.8
Price of blubd is less than I thought		2 5.1 2	1 6.2 1	1 5.7 1	0.0	2 6.0 2	3.8
Will fit most of my fixtures	C%	3 5.5 3	0.0	3 17.1 3	0.0	3 6.5 3	
Other	C%	1 1.8 1	1 3.5 1	0.0		1 2.2 1	0.0
No other reason	C%	35 77.1 36	20 83.3 20	8 55.7 9		28 72.8 29	15 70.2 16

		Urban		Rural	urban	urban+ Rural
Total C%	112 100.0 137	100.0	36 100.0 46	100.0	101 100.0 123	100.0
They need to be cheaper		20.5	9 24.7 10	4 33.9 5	22 22.0 26	26.9
Need to be convinced of their energy savings C%			5.4			8.0
Need to see them in the stores where I shop C%	6 5.7 12	5.2	8.4	0.0		6.4
Need to make them in different sizes C%	7 6.6 9		2 5.4 2		6.6	5.9
Need to make them look attractive in fixtures C%				0.0		1.1
I still need more information about CFLs C%	4 3.9 6		1.4	0.0		1.1
Nothing C%	28 24.9 33	16 24.5 18	9 23.9 12	3 30.5 3		25.5

UF2A. What, if anything, would motivate you to purchase CFLs in the next year? BASE: Unlikely future purchaser

			urban	Rural	urban	urban+ Rural
I don't like the quality of the light C%	8 6.7 6	10.3	2.3	0.0	7.5	1.8
I still prefer incandes -cent/standard bulbs C%	3 2.4 4	2 2.6 2	1 2.8 2	0.0	3 2.7 4	1 2.1 2
Nothing at all	9.8	5.4	15.6	2 16.4 3	9.1	15.8
Other C%	6 5 5.6 6	4 6.6 4	2 5.4 2	0.0	6 6.2 6	2 4.2 2
Don't know ርዩ	4 3.7 5	2.1	7.7	0.0	4.1	5.9
Refused	2 2 . 0 2	1 2.3 1	1 2.3 1	0.0	2 2.3 2	1 1.8 1

				Sub- urban C		urban	
Total	C%	26 100.0 31	13 100.0 16	9 100.0 10	4 100.0 5	22 100.0 26	
\$1	C%	7 25.9 7	3 25.0 4	1 16.4 1	2 51.7 2	5 21.5 5	26.9
\$2	C%	1 3.9 2	1 3.8 1	0.0	1 13.2 1	1 2.3 1	4.0
\$6	C%	1 3.2 1	1 6.3 1	0.0	0.0	1 3.8 1	0.0
\$10	C%	1 5.6 1	0.0	1 16.4 1	0.0	1 6.6 1	11.5
\$12	C%	1 1.9 1	1 3.8 1	0.0	0.0	1 2.3 1	0.0
Don't know	C%	13 51.1 16	8 61.1 9	4 48.6 6	1 21.9 1	12 56.1 15	
	MEAN:	3.27	2.98	5.50	1.20	3.90	3.53

BASE: Respondents who said need to be cheaper

		Total A		Sub- urban C		urban	urban+ Rural
Refused	C%	2 8.3 3		18.6	1 13.2 1	7.5	2 17.0 3
	MEAN:	3.27	2.98	5.50	1.20	3.90	3.53

BASE: Respondents who said they would need to see them in the stores where they buy light bulbs

				Sub- urban		urban	urban+ Rural
Total	C%	6 100.0 12	100.0	3 100.0 6	0.0	100.0	3 100.0 6
Grocery store	C%	2 28.9 3		1 33.3 2		28.9 3	33.3 2
Home centers	C%	2 23.7 3			0.0		1 33.3 2
Large general merchandise chains	C%	3 39.5 5	1 30.1 2		0.0	3 39.5 5	2 50.0 3
Local hardware stores	C%	1 15.8 2		0.0	0.0		0.0

2006/02/27

BASE: Respondents who need more information

				urban	Rural	urban	urban+ Rural
Total	С%		100.0	100.0	0.0	100.0	1 100.0 1
Literature send in the mail	C%	21.7	1 25.0 1	0.0	0.0	1 21.7 1	0.0
How much light they give off	C%	1 21.7 1	1 25.0 1	0.0	0.0	1 21.7 1	0.0
How much energey they save/efficiency	C%	1 34.9 2	1 25.0 1	1 100.0 1	0.0	1 34.9 2	1 100.0 1
Don't know	C%	1 21.7 1			0.0		0.0

UF2.8. What don't you like about the quality of the light? BASE: Respondents who don't like the quality of the light

			Urban	urban		urban	urban+ Rural
Total	C%	8 100.0 6	100.0	1 100.0 1	0.0	100.0	1 100.0 1
Inconsistent light	C%		1 21.9 1				0 0.0 0
Not bright enough	C%	2 30.5 2	21.9	1 100.0 1	0.0		100.0
Dislike color/not true Looks green	/ C%	2 30.5 2		0.0		2 30.5 2	
Don't know	C%	1 19.5 1		0.0			0.0

	-		Urban	urban		urban	Rural
Total	C%	3 100.0 4			0.0		100.0
Quality of light	C%	2 62.3 2	2 100.0 2			2 62.3 2	
Color of light	C%	1 18.9 1	0.0		0.0		
Cheaper	C%		0.0	50.0			

RI. How often do you shop at: Home Centers such as Home Depot or Lowe's? BASE: Total respondents

		Urban B			urban	urban+ Rural
Total C%		100.0		65 100.0 69	100.0	100.0
At least once every two weeks C%	94 16.7 79		39 18.1 32 D	5 7.5 4 BC	89 17.9 75	15.6
Once a month	167 29.9 172		57 26.4 62		149 30.0 155	27.0
Several times a year C%	169 30.1 167		64 29.6 60		156 31.6 151	27.2
Once a year or less	68 12.1 77	25 9.1 29 D	25 11.4 30 D	18 27.2 18 BC	50 10.1 59 F	15.1
Never C%	60 10.7 63	18 6.4 18 CD	31 14.5 31 B	11 17.2 14 B	49 9.9 49 F	15.1 45
Don't know	0.4	2 0.8 2	0.0	0.0	2 0.5 2	

bASE: Total respondents

		Urban B			urban	urban+ Rural
Total C'	100.0		100.0		100.0	100.0
At least once every two weeks C	223 39.8 219	93 33.3 91 C	50.9		41.0	130 46.3 128
Once a month	₹ 26.9	70 25.0 73	28.7	29.1		28.8
Several times a year	79 % 14.1 77					11.5
Once a year or less	36 6.5 36		4.6		6.4	
Never C	70 % 12.5 71					7.9 24
Don't know	1 % 0.1 1	0.0	$\begin{smallmatrix}1\\0.4\\1\end{smallmatrix}$	0.0		0.3

		Urban B				urban+ Rural
Total	% 100.0	279 100.0 276	100.0	100.0	100.0	100.0
At least once every two weeks C	90 % 16.0 85		19.5 39	27.9 17		56
Once a month	114 % 20.3 111	18.8	23.3	16.9	103 20.8 98	21.8
	139 % 24.8 142		27.4	21.4	25.3	26.0
Once a year or less	92 % 16.4 93	17.8		15 22.4 15 C	15.6	15.0
Never C	120 % 21.4 123	28.6		7 11.4 9 B		14.2 42
Don't know	6 % 1.1 6	0.5	4 2.1 5			

BASE: Respondents who didn't mention "need to see them where I buy light bulbs" as a reson to purchase CFLs

	Total		Sub- urban C	Rural	Urban +sub- urban E	urban+ Rural
Total C%	554 100.0 548	276 100.0 270	212 100.0 209	65 100.0 69	488 100.0 479	
Wherever I notice them/ wherever I happen to beC%	55 9.9 55	32 11.7 31 D	20 9.3 20	2 3.6 4 B	52 10.7 51	8.0
Grocery store	112 20.3 124	64 23.0 65	34 15.9 41	15 22.8 18	97 19.9 106	17.5
Drug store	15 2.7 17	9 3.2 10	6 2.6 6	1 0.8 1	15 3.0 16	2.2
Home centers	114 20.7 100	66 23.9 58 D	40 18.9 35	8 12.8 7 B	106 21.7 93	
Large general merchandise chains C%	169 30.6 168	63 22.8 64 CD	77 36.2 75 B	29 45.0 29 B	140 28.6 139 F	106 38.3 104 E
Local hardware stores	69 12.5 62	33 12.0 30	29 13.8 25	7 10.3 7	62 12.8 55	
Other C%	10 1.8 12	5 1.8 7	3 1.3 3	2 3.5 2	8 1.6 10	5 1.8 5

R4. Where do you typically buy light bulbs?

BASE: Respondents who didn't mention "need to see them where I buy light bulbs" as a reson to purchase CFLs

		rotal .	Urban	Sub- urban		Urban +sub- urban	urban+
		A	B	C	D	E	F
Don't know		9	4	=	1	-	5
	C%	1.6		1.9			

2006/02/27

Al. How much do you disagree or agree with the following statement... I am not very concerned about the amount of energy used in my home BASE: Total respondents

			Urban B	Sub- urban C	Rural		urban+ Rural
Total	C%	560 100.0 560	279 100.0 276	215 100.0 215	65 100.0 69		100.0
1 - Strongly disagree	C%					320 64.8 296	63.9
2	C%	54 9.7 60	30 10.9 32	18 8.3 20	6 9.1 8	48 9.7 52	8.5
3	C%	36 6.4 42	15 5.4 19	15 7.0 17	6 9.0 6	30 6.1 36	7.5
4	C%	33 5.9 39	20 7.1 22	8 3.9 12	5 7.3 5	28 5.7 34	4.7
5 - Strongly agree	C%	73 13.0 79	30 10.8 34	35 16.1 36	8 12.3 9		15.2
Don't know	C%	3 0.6 4	3 1.0 3	0.0	1 0.8 1	3 0.6 3	0.2
MEAN	1:	1.93	1.87	1.98	1.99	1.92	1.99

NEEA Consumer Lighting Survey (3321)

A2. How much do you disagree or agree with the following statement... My life is too busy to worry about making energy related improvements in my home. BASE: Total respondents

		Total A		Sub- urban C	Rural	urban	
Total	C%	560 100.0 560	279 100.0 276	215 100.0 215	65 100.0 69	495 100.0 491	281 100.0 284
1 - Strongly disagree	C%	347 61.9 317	169 60.6 152	139 64.5 129	39 59.3 36	308 62.3 281	178 63.3 165
2	C%	63 11.3 72	35 12.7 38	21 9.6 25	7 10.9 9	56 11.3 63	28 9.9 34
3	C%	72 12.8 80	35 12.4 39	27 12.5 29	10 15.7 12	62 12.4 68	37 13.2 41
4	C%	23 4.2 31	10 3.8 15	9 4.4 11	4 5.4 5	20 4.0 26	13 4.6 16
5 - Strongly agree	C%	47 8.4 50	25 9.0 27	18 8.3 18	4 5.8 5	43 8.7 45	22 7.7 23
Don't know	C%	8 1.4 10	4 1.6 5	2 0.7 3	2 3.0 2	6 1.2 8	3 1.2 5
MEAN	1:	1.84	1.86	1.81	1.84	1.84	1.82

NEEA Consumer Lighting Survey (3321)

A3. How much do you disagree or agree with the following statement... It is worth it to me for my household to use less energy in order to help preserve the environment

BASE: Total respondents

				Sub- urban C			urban+ Rural
Total	C%	560 100.0 560	279 100.0 276	215 100.0 215	65 100.0 69	495 100.0 491	
1 - Strongly disagree	C%	36 6.4 37	17 6.3 18	17 7.7 17	2 3.0 2	34 6.9 35	
2	C%	27 4.8 31	15 5.4 19	10 4.7 10	1 2.0 2	25 5.1 29	
3	C%	55 9.8 59	30 10.7 30	19 8.7 23	6 9.1 6	49 9.9 53	8.8
4	C%	72 12.9 78	41 14.6 42	25 11.6 28	7 10.1 8	66 13.3 70	
5 - Strongly agree	C%	364 65.0 348	175 62.6 165	140 65.0 133	49 75.0 50	315 63.6 298	
Don't know	C%	6 1.1 7	1 0.4 2	5 2.3 4	0.8 1	6 1.2 6	
MEAN	1:	4.27	4.22 D	4.24 D	4.53 BC	4.23	4.31

NEEA Consumer Lighting Survey (3321)

A4. How much do you disagree or agree with the following statement... When considering purchasing appliances or other equipment, I typically consider both the price and the operating costs, not just the price BASE: Total respondents

				Sub- urban C		urban	urban+ Rural
Total	C%	100.0		215 100.0 215		100.0	100.0
1 - Strongly disagree			13 4.8 19 C	10.1		7.1	25 9.0 25
2	C%	14 2.5 18		8 3.5 11	0.0		2.7
3	C%		36 12.7 36	10.6	19.3		35 12.6 39
4	C%	90 16.0 100		16.9		16.6	15.6
5 - Strongly agree	C%	60.4				298 60.3 271	
Don't know	C%			4 1.8 4	2.5	1.3	2.0

			Sub- urban C	Rural D	urban	
Total C	560	279	215	65	495	281
	\$ 100.0	100.0	100.0	100.0	100.0	100.0
	560	276	215	69	491	284
Mobile home	36	13	17	6	30	23
	8 6.5	4.7	7.8	9.5	6.0	8.2
	39	13	20	6	33	26
Single-family (attached or detached) C9	422	206	166	50	373	216
	75.4	73.9	77.3	76.0	75.4	77.0
	413	202	159	52	361	211
Apartment C9	61	30	25	6	55	31
	10.9	10.8	11.6	9.4	11.1	11.1
	68	34	27	7	61	34
Condo C ²	15 2.8 14	12 4.3 10 C	2 1.2 3 B	1 1.3 1	15 3.0 13	3 1.2 4
Other C9	21 3.8 22	15 5.5 15 C	1.7 4 B	2 3.8 3	19 3.8 19	6 2.2 7
Refused C	3 0.6 4	2 0.8 2	1 0.5 2	0.0	3 0.7 4	1 0.4 2

			Urban	urban	Rural	+sub- urban	
Total	C%	100.0	279 100.0 276	100.0	100.0	100.0	100.0
Own	C%	79.1	214 76.7 206	81.2	82.1	78.7	81.4
Rent	C%	19.0	58 20.8 64	18.1	14.1	19.6	17.2
Don't know	C%		4 1.3 3	0.2	2.5	0.9	0.8
Refused	C%	0.9		0.5	1.3	0.8	0.7

				Sub-		Urban +sub-	
				urban			
		A	B	C	D	K	F
Total	C18	560	279	215 100.0	65 100 0	495	281 100.0
	Co			215			284
1	C%	118			18		
	Co	119	46	25.2 53	20.8	99	73
			CD	В	В		
2		213					
	C%			34.8 76			35.0 99
3		88	47				
	C%	15.6 91	16.7 48	13.3		15.2 78	
			10	30	13	, 0	13
4							35
	C%	13.2 75	14.0 41	13.0 26			
		7.5	11	20	Ü	07	31
5		33		14			
	C%	5.9 33	5.6 17	6.4			
		33	Ξ,	13	3	50	10
6		13	6			12	
	C%	2.4 16	2.0	2.9	2.0	2.4 14	
		10	Ü	Ü	۷	11	10
7 or more		12					
	C%	2.1	1.8	3.1			2.4
		TT	О	5	U	11	5

D3. Including yourself, how many people live in your home? BASE: Total respondents

	Т	otal	Urban	Sub- urban	Rural	Urban +sub- urban	urban+
		-A	B	C	D	E	F
Refused	C%	10 1.8	7 2.5	3 1.4	Ü	10 2.0	3 1.1
		10	6	4	0	10	4

BASE: Total respondents

		Total A	Urban B		Rural	urban	urban+ Rural
Total	C%	560 100.0 560	279 100.0 276	215 100.0 215	65 100.0 69	495 100.0 491	281 100.0 284
Some high school	C%	25 4.5 28	7 2.6 10 C	14 6.7 14 B	3 5.1 4	22 4.4 24	6.3
High school graduate	C%	91 16.2 95	41 14.6 41	41 19.2 43	8 12.9 11	82 16.6 84	
Trade or technical school	C%	39 7.0 39	9 3.4 11 C	25 11.6 24 B	5 7.5 4	34 7.0 35	
Some college	C%	147 26.3 147	90 32.1 88 C	36 16.8 37 BD	22 33.2 22 C	126 25.4 125	58 20.6 59
College graduate	C%	139 24.9 137	75 26.7 73	53 24.8 51	11 17.4 13	128 25.9 124	65 23.1 64
Some graduate school	C%	21 3.8 20	9 3.1 9	7 3.4 7	5 8.0 4	16 3.3 16	
Graduate degree	C%	75 13.3 71	39 13.9 36	28 12.8 26	8 12.4 9	66 13.4 62	

2006/02/27

BASE: Total respondents

		Γotal A	Urban	Sub- urban C	Rural		Sub- urban+ Rural F
Don't know	С%	7 1.2 6	3 1.1 2	1.2 3	1 2.2 1	5 1.1 5	4 1.4 4
Refused	C%	15 2.7	7 2.6	7 3.4		2.9	8 2.9 11

Q5B. Which of the following best describes your age group? BASE: Respondents who only have 1 person living in household

			Urban	urban	Rural	urban	urban+ Rural
Total	C%	100.0	46 100.0 46	100.0	100.0	100.0	100.0
19-34	C%	8.6	5 10.4 5	6.7	9.5	8.4	7.4
35-54	С%	25.5	16 33.9 15 C	13.8	39.6	23.0	20.1
55-64	С%	23.9	10 22.1 10	26.9	19.6	24.7	25.1
65 and over	C%	39.3	13 28.6 14 C	51.1	31.3	40.8	46.3
Refused	C%	2.7	2 5.0 2	1.5	0.0	3.1	1 1.2 1

D5A. How many people usually live in this home... 5 and under? BASE: Households with more than 1 person living there

			Urban B	urban	Rural	urban	urban+ Rural
Total	C%	100.0	226 100.0 224	100.0	100.0	100.0	100.0
None	C%	80.6	181 80.0 171	78.4	90.3	79.3	167 81.2 164
1	C%	12.2	30 13.4 37	12.2	6.6	12.9	10.9
2	C%	5.0	10 4.2 12	6.8	3.1	5.3	5.9
3	C%		0.0	1.4	0.0	0.6	1.1
Refused	C%	1.7	5 2.3 4	1.2	0.0	1.9	1.0

NEEA Consumer Lighting Survey (3321) D5B. How many people usually live in this home...6-18? BASE: Households with more than 1 person living there

				Sub- urban		urban	urban+ Rural
Total	C%	432 100.0 431	226 100.0 224	158 100.0 158	48 100.0 49	384 100.0 382	
None	C%	276 63.8 274	147 64.9 144			246 63.9 244	62.5
1	C%	67 15.5 67	33 14.6 33	23 14.5 23	11 23.0 11		
2	C%	54 12.6 57	27 11.9 29	22 13.8 22	6 11.7 6	49 12.7 51	13.3
3	C%	21 4.8 19	12 5.2 11	8 5.3 7	1 1.1 1		
4	C%	4 0.9 5	2 0.7 2	1 0.8 2	1 1.7 1	3 0.8 4	1.1
5	C%	4 0.9 3	0.4 1	3 1.9 2	0.0	1.0 3	1.4
Refused	C%	7 1.7 6	5 2.3 4	2 1.2 2	0.0	7 1.9 6	

NEEA Consumer Lighting Survey (3321) D5C. How many people usually live in this home...19-34? BASE: Households with more than 1 person living there

			Urban			urban	urban+ Rural
Total	C%	432 100.0 431		158 100.0 158			
None	C%	297 68.8 292	157 69.3 152	66.9	72.8		141 68.2 140
1	C%	64 14.8 63		24 15.4 24	15.8		
2	C%	57 13.1 61	28 12.6 32	23 14.7 23	5 10.4 6	13.4	
3	C%	4 0.9 6		1 0.8 2		0.8	
4	C%	1 0.3 1	1 0.6 1	0.0		1 0.4 1	
6	C%	2 0.5 2		1 0.9 1		2 0.5 2	0.7
Refused	C%	7 1.7 6	5 2.3 4	2 1.2 2	0.0	7 1.9 6	

			Urban			urban	urban+ Rural
Total	C%		226 100.0 224	100.0	100.0	100.0	
None	C%	193 44.7 194	43.1	74 46.9 74	44.7		46.4
1	C%	73 16.9 72	35 15.5 35	27 17.3 26			18.5
2	C%	158 36.6 158			32.9	142 37.0 142	34.2
3	C%	0.2 1	1 0.4 1	0.0	0.0	1 0.2 1	
Refused	C%	7 1.7 6	5 2.3 4		0.0	7 1.9 6	1.0

DSE. How many people usually live in this home...55-64? BASE: Households with more than 1 person living there

	-		Urban B	urban	Rural	urban	urban+ Rural
Total		100.0	100.0	100.0	100.0	100.0	200 100.0 203
None	C%	71.4	72.0	72.5	65.1	72.2	142 70.7 150
1	C%	12.4	9.5	12.5	25.3 10	10.7	31 15.6 28
2	C%	14.3	36 16.1 33	13.2	9.6	14.9	25 12.3 22
3	C%	0.2 1		0.5	0.0	0.2	0.4 1
Refused	C%	1.7	2.3	1.3	0.0	1.9	2 1.0 2

	-				Rural	urban	urban+ Rural
Total	C%	100.0	100.0	100.0	100.0	100.0	199 100.0 202
None	C%	78.3	80.6	78.0	68.5	79.5	150 75.7 156
1	C%	7.7		5.8	15.3	6.7	16 8.1 14
2	C%	12.2	9.4		16.2	11.6	30 15.2 30
3	C%		0.4	0 0.0 0	0.0	0.2	0.0
Refused	C%	1.7	2.4	1.3	0.0	1.9	2 1.0 2

				Sub- urban C		urban	urban+ Rural
Total	C%	560 100.0 560	279 100.0 276	215 100.0 215	65 100.0 69		100.0
Less than \$20,000 per year	C%	66 11.7 72	26 9.2 30 D	28 12.9 29		54 10.9 59	14.2
\$20,000 to \$49,000	C%	149 26.6 142		62 28.9 60			29.9
\$50,000 to \$74,000	C%	101 18.0 105	53 18.9 54	38 17.7 38	10 15.5 13		17.2
\$75,000 to \$99,000	C%	45 8.1 46	27 9.5 27	11 4.9 12 D	8 12.3 7 C		6.6
\$100,000 or more	C%	40 7.1 39	24 8.7 23	13 5.9 13	3 4.8 3		5.6
Don't know	C%	30 5.3 33	13 4.8 15	13 6.2 15	3 4.8 3	27 5.4 30	5.9
Refused	C%	129 23.1 123	72 25.7 66 D	50 23.4 48 D	7 10.9 9 BC	122 24.7 114	20.5

	-		Urban B	urban		urban	urban+ Rural
Total	C%	100.0	279 100.0 276	100.0	100.0	100.0	100.0
Male	C%	41.5	105 37.4 103 C	49.7	31.5	42.8	45.5
Female	C%	58.5	175 62.6 173	50.3	68.5 46		54.5

			Urban B			urban	urban+ Rural
Total	C%	560 100.0 560	279 100.0 276	100.0		100.0	
Urban	C%	279 49.9 276	279 100.0 276 CD	0 0.0 0 B	0 0.0 0 B	279 56.5 276 F	0.0
Suburban	C%	215 38.4 215	0 0.0 0 C	215 100.0 215 BD	0 0.0 0 C	215 43.5 215 F	76.7
Rural	C%	65 11.7 69	0 0.0 0	0 0.0 0	65 100.0 69 BC	0.0 0.0	65 23.3 69 E



SHELF SURVEY SAMPLE SIZE TABLES

The following series of tables presents the number of stores in the sample and CFL models observed across the stores in the sample for various categories. These tables are intended to provide sample sizes for the tables presented throughout Section 6.

Table F-1 Number of Stores and Bulb Models in the Sample – All CFLs

O	Number of Stores	s in the sample	Number of CFL models observed		
Store Type	Spring	Fall	Spring	Fall	
Warehouse	3	3	13	12	
Do-it-Yourself	6	7	182	249	
Drug and grocery	18	18	180	156	
Mass merch.	12	12	200	272	
Small HW	34	30	399	461	
Total	73	70	974	1150	

Table F-2
Number of Stores and Bulb Models in the Sample – Twisters <18 watts

O1 T	Number of Store	s in the sample	Number of CFL models observed		
Store Type	Spring	Fall	Spring	Fall	
Warehouse	3	2	3	2	
Do-it-Yourself	6	7	31	35	
Drug and grocery	18	16	44	40	
Mass merch.	12	12	43	53	
Small HW	25	26	71	62	
Total	64	63	192	192	

Table F-3
Number of Stores and Bulb Models in the Sample – Twisters 18-30 watts

O1 T	Number of Stores	s in the sample	Number of CFL models observed		
Store Type	Spring	Fall	Spring	Fall	
Warehouse	3	1	3	1	
Do-it-Yourself	6	7	27	36	
Drug and grocery	15	16	50	47	
Mass merch.	12	12	42	71	
Small HW	25	23	78	69	
Total	61	59	200	224	

 $Table \ F-4$ Number of Stores and Bulb Models in the Sample – Twisters >30 watts

Store Turns	Number of Store	s in the sample	Number of CFL models observed		
Store Type	Spring	Fall	Spring	Fall	
Warehouse	None				
Do-it-Yourself	2	3	2	3	
Drug and grocery	3	None	3		
Mass merch.	3	6	5	9	
Small HW	6	5	10	8	
Total	14	14	20	20	

Table F-5
Number of Stores and Bulb Models in the Sample – Non-Twisters CFLs

O. T	Number of Stores	s in the sample	Number of CFL models observed		
Store Type	Spring	Fall	Spring	Fall	
Warehouse	3	3	7	9	
Do-it-Yourself	6	6	122	175	
Drug and grocery	10	9	83	69	
Mass merch.	11	12	110	139	
Small HW	23	25	240	322	
Total	53	55	562	714	

Table F-6
Number of Stores and Bulb Models in the Sample by Non-Twisters Style

Non-Twister	Number of Stores	in the sample	Number of CFL models observed		
Bulb Style	Spring	Fall	Spring	Fall	
Tube	32	30	101	87	
CirclF-line	22	33	101	117	
Covered	33	34	80	101	
Other	33	40	91	149	
Reflector	32	35	106	118	
Pin-based	22	30	83	142	
Total	53 (not sum)	55 (not sum)	562	714	

Table F-7
Number of Stores in the Sample by Store Type by State

Ctoro Turo	State						
Store Type	Idaho	Montana	Oregon	Washington			
Warehouse	1	0	1	1			
Do-it-Yourself	2	1	0	3			
Drug and grocery	2	0	6	10			
Mass merch.	4	1	2	5			
Small HW	6	4	4	20			
Total	15	6	13	39			