



ENERGY SAVINGS REPORT



Developed for
Rick Bjarnsen
Kingston Thriftway

Prepared by
Matt Tobin
Field Energy Analyst

This Program is brought to you by:



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1400 SW 5th Ave.,
Suite 700Portland, OR
97201

10/25/2006

Dear Rick,

EnergySmart Grocer is pleased to provide this energy savings report highlighting your opportunities to cut energy costs. I recommend several measures for your consideration.

- *Add strip curtains in walk-in coolers and freezers*
- *Replace damaged walk-in door gaskets and on reach-in case doors*
- *Install night covers in open cases*
- *Add anti-sweat heater controls for reach in cases*
- *Install Floating Head and Suction Pressure Controls on your multiplex compressor systems*
- *Replace refrigerated display case lighting with efficient T-8 fluorescent fixtures*
- *Replace existing incandescent lamps with compact fluorescents*

Rick, the “readers digest” version of this report is that you are in a position to save about \$33,000 annually with just the following measures:

- Floating Head and Suction Pressure Controls on your multiplex compressor systems (this allows your refrigeration systems to run at lower pressures, reducing your compressor loads and extending the life of your compressors)
- Anti Sweat Heater Controls on your reach-in doors
- Night covers on your open cases
- Gaskets, Strip Curtains, Door Closers, Cooler Misers, and Compact Fluorescent Bulbs (The free items)

Your investment of about \$14,500 has a simple payback of less than 6 months. There are definitely additional savings to be had from fan motor upgrades, lighting and cases, but the aforementioned measures are really the critical few. Please complete the attached Participation Agreement and Payment Release forms, so we can get started with the no-cost items. Then with your permission, I'll contact Mayda Mechanical and True-Temp refrigeration to solicit bids on the refrigeration controls and night covers.

Thank you for your interest in the Energy Smart Grocer program. I look forward to helping you to bring these savings to Kingston Thriftway.

Best regards,

Matt Tobin
Field Energy Analyst
360-485-3757



Dirty condensers can cost you thousands of dollars every year. A seasonal or semi-annual cleaning will insure that you're not wasting money here. Clean Condensers and Evaporators transfer heat more efficiently and reduce the time that your compressors run.

When cooler doors are opened, there is an "emptying effect" and the cool air is rapidly replaced with warm air. Installing strip curtains on your medium and low temp coolers will slow this loss and will save you almost \$3,000 annually. Energy Smart Grocer will pay the entire cost of new strip curtain installations.



Damaged walk-in door gaskets and reach-in case gaskets are costing you up to \$4,300 annually. Energy Smart Grocer typically pays the entire cost of replacement.



Reach-in case doors typically have Anti-Sweat Heaters (ASH) built into them. If you don't control the amount of heat, then you pay twice. First to run the heaters, second to remove the heat you added to the case. ASH controls will save you almost \$5,000 annually, paying for themselves in less than one year.

Installing night covers on your open cases will be beneficial by reducing shrink as well as reducing your electrical costs by about \$5,300 annually. The investment of about \$6,000 has a simple payback of 14 months.



Kingston Thriftway pays "Demand charges" when demand is greater than 50 kW. To avoid these charges, stagger your loads as much as is practical. Know your defrost schedules and your heavy demand appliances (compactors, chargers, large motors, heaters) and stagger your electrical usage accordingly



Your walk-in coolers and freezers use “shaded pole” fan motors. Installing Electrically Commutated Motors (ECMs) in your walk-ins and cases will save you \$11,000 annually. After a \$5,700 incentive, this measure pays for itself in less than 2 years

Inefficient T-12 case lamps contribute a lot of heat to your refrigerated spaces. Retrofitting T-8 lamps will reduce your lighting costs and will improve the look of your merchandise. Rebates are about \$3 per lineal foot.



Incandescent lamps are energy hogs and contribute excessive heat to your coolers and freezers. Switch to Compact fluorescent Lamps (CFLs) and save almost \$600 annually.



REBATE QUALIFICATION

AND

RECOMMENDED EQUIPMENT RETROFITS

Description:

This section of the Energy Savings report lists the auditor selected rebates for which Kingston Thriftway qualifies. These rebates are separated into a phased approach to assist you in designing a profitable retrofitting your store.

Phase One:

The low cost, high return repairs and retrofits are listed in phase one. Phase one addresses maintenance issues, lighting retrofits and other similar high yield investment opportunities within the store. Lighting retrofits will be referred to PSE. Phase one options typically have paybacks of under 2 years which are considered essential investments by most business standards.

Phase Two:

Higher cost long-range investments are listed in phase two. Phase two addresses major equipment efficiency upgrades. Depending on the condition of your equipment and maintenance expenditures, phase two options can be strong, long-term investments in efficiency and maintenance cost recovery.

Case Replacement Options:

Case replacement options list the rebates available for the replacement of refrigerated cases in your store. While replacement of inefficient cases generally does not return high yields in the terms of energy savings, they often improve to look and feel of a store helping sell additional product and retain customers.

**Kingston Thriftway
EnergySmart Grocer
Energy Savings Opportunity Analysis**

Selected Energy Saving Measures Phase 1

<i>Measure</i>	<i>Taking Action</i>	<i>Qty</i>	<i>Units</i>	<i>Estimated Installed Cost</i>	<i>Projected Annual Energy Savings</i>	<i>Program Rebate</i>	<i>Simple Payback</i>
Refrigeration							
Gaskets for Reach-in Glass Doors, Low Temp	[]	255	Linear Ft	\$3,570	\$3,526	\$3,570	
Gaskets for Reach-in Glass Doors, Medium Temp	[]	90	Linear Ft	\$1,260	\$214	\$1,260	
Gaskets for Walk-in Freezer Main Door	[]	19	Linear Ft	\$266	\$383	\$266	
Gaskets for Walkin Cooler Main Door	[]	54	Linear Ft	\$756	\$220	\$756	
27 W CFL lamps in Walk-in	[]	14	Lamp	\$74	\$557	\$60	0.0
Auto-Closers for Glass Reach-in Doors -- Freezers	[]	1	Unit	Unit	\$75	\$111	\$50 0.2
Strip Curtains for Walk-ins - Persistence Assured	[]	149	Square Ft	\$2,980	\$2,999	\$1,490	0.5
Auto-Closers for Walk-in Coolers	[]	1	Unit	\$122	\$145	\$40	0.6
Controls - Visi Cooler	[]	5	Controller	\$750	\$508	\$450	0.6

Kingston Thriftway

EnergySmart Grocer Energy Savings Opportunity Analysis

Selected Energy Saving Measures Phase 2

<i>Measure</i>	<i>Taking Action</i>	<i>Qty</i>	<i>Units</i>	<i>Estimated Installed Cost</i>	<i>Projected Annual Energy Savings</i>	<i>Program Rebate</i>	<i>Simple Payback</i>
Refrigeration							
Multiplex- Controls- Floating Head Pressure - Air cooled	[]	134	Hp	\$8,040	\$13,069	\$8,040	
Controls - Anti-Sweat Heat - Supermarket - Low Temp	[]	133	Linear Ft	\$3,325	\$4,133	\$1,862	0.4
Controls - Anti-Sweat Heat - Supermarket - Med Temp	[]	68	Linear Ft	\$1,700	\$828	\$952	0.9
Night Covers - Vertical	[]	299	Linear Ft	\$8,970	\$5,256	\$2,691	1.2
Evap motors: shaded pole to ECM in Walk-in	[]	31	Motor	\$5,735	\$1,540	\$3,100	1.7
Evap motors: shaded pole to ECM	[]	132	Motor	\$19,800	\$9,440	\$2,640	1.8
Multiplex - Controls - Floating Suction Pressure - air cooled	[]	134	Hp	\$6,700	\$2,085	\$1,340	2.6
Controls - Evaporator Fan - Shaded Pole in Walk in Cooler	[]	25	Fan	\$3,125	\$926	\$625	2.7
Night Covers - Horizontal	[]	14	Linear Ft	\$420	\$127	\$70	2.8

**Kingston Thriftway
EnergySmart Grocer
Energy Savings Opportunity Analysis**

Selected Energy Saving Measures Phase 3

<i>Measure</i>	<i>Taking Action</i>	<i>Qty</i>	<i>Units</i>	<i>Estimated Installed Cost</i>	<i>Projected Annual Energy Savings</i>	<i>Program Rebate</i>	<i>Simple Payback</i>
<i>Lighting</i>							
Cases - Low Temp Open to Reach-in	[]	12	Linear Ft	\$10,200	\$1,814	\$1,800	4.6
Cases - Low Temp Reach-in to High Efficiency Reach-in	[]	138	Linear Ft	\$124,200	\$10,980	\$20,700	9.4
Cases - Med Temp Open to Reach-in	[]	235	Linear Ft	\$141,000	\$12,215	\$23,500	9.6
Cases - Medium Temp Open Case to High Efficiency Open Case	[]	235	Linear Ft	\$141,000	\$5,919	\$4,700	23.0
<i>Refrigeration</i>							
Multiplex - Efficient/oversized Air-cooled Condenser for Multiplex	[]	186	Ton	\$65,100	\$1,794	\$20,460	24.9

AUDIT INPUTS AND STORE REPAIR

Description:

This section of the Energy Savings Report lists the auditor's input information and site metrics as well as general condition of the store. The information is useful in determining exactly where the maintenance issues and investment opportunities lie within your store.

Using this section as a roadmap to repair and retrofit the store will make it easier and less time consuming to achieve the desired energy savings, putting thousands of dollars a year back into your bottom line. This section can also be used to obtain contractor bids and assist contractors in locating troubles throughout the store.

The EnergySmart Grocer Program will provide all or a portion of this Audit Input Report to contractors if you wish to have the program assist you securing evaluations and bids. This information will not be released without your consent.

Audit Detail Report Tuesday, October 03, 2006

Kingston Thriftway
 10978 NE State Highway 104
 Kingston, WA 98346

Interview

Store Schedule:	Business Hours	
Thermostat Type:	Do not know	
Floor Area:	21500	
Regular Cleaning of treatment	No cleaning / no chemical	
		Co
Condensers?:		
Age of HVAC System:	15	Flo
Operating Head Pressure Ctrl:		Do
not know		
Age of Refrigeration System:	15	
Unoccupied hours per night (night covers, evap control):	0	
Notes:		
116.56 kW@\$ 5.24		7AM-10PM
Energy Rate	0.07	
Cost per	0.07	

Schedules

Business Hours

Open 24x7? Off 1	Time On 1 Time Off 2	Time On 2 Notes	Time	
Weekday	06:00	21:00	NA	NA
Saturday	06:00	21:00	NA	NA
Sunday	06:00	21:00	NA	NA

Lighting

Fixture Type:
 Quantity: 0
 Schedule:
 Existing Controls: None
 Consider Occupancy Sensors?:
 None
 Space Type:
 Timeclock Measure Schedule:
 Delamp count: 0
 Notes: Sales floor retrofit completed.
 Back room not retrofitted from T-12 to T-8

Cases

Case Type:	Open multi deck	Door Type:	None
Quantity:	1	Qty of Doors:	0
Length:	145	Damaged Gaskets:	0
Product:	Deli	Damaged Auto-door Closers:	0

Kingston Thriftway
10978 NE State Highway 104
Kingston, WA 98346

Anti-Sweat Heater: No ASH

Notes: Deli & Beverage
Install night covers

Compressor: Hussman Super Plus Rack Mixed Temp
Evap Motor Type: Shaded Pole
Night Covers: None

Case Type: Reach in multi deck
Quantity: 1
Length: 8
Product: Produce
Anti-Sweat Heater: ASH wo controls
Lighting: T12
Compressor: Hussman Super Plus Rack Mixed Temp
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: Triple glazed
Qty of Doors: 3
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Install ASH controls

Case Type: Beverage merchandiser
Quantity: 1
Length: 2.5
Product: Dairy Or Beverage
Anti-Sweat Heater: No ASH
Lighting: T8
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: N/A

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Coke Case in Subway

Case Type: Reach in multi deck
Quantity: 1
Length: 3
Product: Frozen Food
Anti-Sweat Heater: No ASH
Lighting: None
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: Do not know
Qty of Doors: 1
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Whirlpool

Tuesday, October 03, 2006

Page 2 of 14

Kingston Thriftway
10978 NE State Highway 104
Kingston, WA 98346

Case Type: Curved glass rear entry
Quantity: 1
Length: 8
Product: Deli
Anti-Sweat Heater: No ASH
Lighting: None
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: N/A

Door Type: Do not know
Qty of Doors: 2
Damaged Gaskets: 1
Damaged Auto-door Closers: 0
Notes: Sandwich prep case

Case Type: Reach in multi deck
Quantity: 1
Length: 4
Product: Deli
Anti-Sweat Heater: ASH wo controls
Lighting: None
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: N/A

Door Type: Do not know
Qty of Doors: 2
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Sandwich Prep

Case Type: Open multi deck
Quantity: 1
Length: 24
Product: Deli
Anti-Sweat Heater: No ASH
Lighting: T12
Compressor: Hussman Super Plus Rack Mixed Temp
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Install night covers
Retrofit lighting

Kingston Thriftway
10978 NE State Highway 104
Kingston, WA 98346

Case Type: Open multi deck
Quantity: 1
Length: 56
Product: Produce
Anti-Sweat Heater: No ASH
Lighting: T12
Compressor: Hussman Super Plus Rack Mixed Temp
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Install night covers

Case Type: Open single deck
Quantity: 1
Length: 4
Product: Deli
Anti-Sweat Heater: No ASH
Lighting: T8
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: N/A

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Olive bar

Case Type: Island/coffin open double
Quantity: 1
Length: 8
Product: Produce
Anti-Sweat Heater: No ASH
Lighting: None
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Melon table

Kingston Thriftway
10978 NE State Highway 104
Kingston, WA 98346

Case Type: Beverage merchandiser
Quantity: 3
Length: 3
Product: Dairy Or Beverage
Anti-Sweat Heater: No ASH
Lighting: T12
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: N/A

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Install cooler Misers

Case Type: Reach in multi deck
Quantity: 1
Length: 5
Product: Frozen Food
Anti-Sweat Heater: No ASH
Lighting: T12
Compressor: Hussman Super Plus Rack Mixed Temp
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: Triple glazed
Qty of Doors: 2
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: ASH may be malfunctioning. No Voltage
Front end cap Aisle 3/4

Case Type: Reach in multi deck
Quantity: 2
Length: 61
Product: Frozen Food
Anti-Sweat Heater: ASH wo controls
Lighting: T12
Compressor: Hussman Super Plus Rack Mixed Temp
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: Triple glazed
Qty of Doors: 23
Damaged Gaskets: 15
Damaged Auto-door Closers: 1
Notes: Install ASH controls

Kingston Thriftway
10978 NE State Highway 104
Kingston, WA 98346

Case Type: Reach in multi deck
Quantity: 1
Length: 6
Product: Frozen Food
Anti-Sweat Heater: ASH wo controls

Lighting: T12
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: Triple glazed
Qty of Doors: 3
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Doors Warm to touch!
Install ASH controls
Rear End lap Aisle 3/4

Case Type: Island/coffin closed narrow
Quantity: 1
Length: 2.5
Product: Frozen Food
Anti-Sweat Heater: No ASH
Lighting: None
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: N/A

Door Type: Single glazed
Qty of Doors: 2
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes:

Case Type: Island/coffin open narrow
Quantity: 1
Length: 6
Product: Frozen Food
Anti-Sweat Heater: No ASH

Lighting: None
Compressor: Hussman Super Plus Rack Mixed Temp
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Rear End Cap Aisle 4/5
Install night covers

Kingston Thriftway
10978 NE State Highway 104
Kingston, WA 98346

Case Type: Reach in multi deck
Quantity: 1
Length: 5
Product: Frozen Food
Anti-Sweat Heater: ASH wo controls

Lighting: T12
Compressor: Hussman Super Plus Rack Mixed Temp
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: Triple glazed
Qty of Doors: 2
Damaged Gaskets: 2
Damaged Auto-door Closers: 0
Notes: ASH may be malfunctioning. No Voltage
Front end cap Aisle 3/4

Case Type: Beverage merchandiser
Quantity: 1
Length: 2
Product: Dairy Or Beverage
Anti-Sweat Heater: No ASH

Lighting: T8
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: N/A

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Red Bull
Install cooler Miser

Case Type: Reach in multi deck
Quantity: 1
Length: 4
Product: Frozen Food
Anti-Sweat Heater: No ASH
Lighting: T8
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: N/A

Door Type: Triple glazed
Qty of Doors: 2
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Ice

Kingston Thriftway
10978 NE State Highway 104
Kingston, WA 98346

Case Type: Reach in multi deck
Quantity: 1
Length: 3
Product: Frozen Food
Anti-Sweat Heater: No ASH
Lighting: None
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: Do not know
Qty of Doors: 1
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Coldspot Freezer in Deli prep.

Case Type: Reach in multi deck
Quantity: 1
Length: 36
Product: Deli
Anti-Sweat Heater: ASH wo controls
Lighting: None
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: Do not know
Qty of Doors: 2
Damaged Gaskets: 1
Damaged Auto-door Closers: 0
Notes: Gibson Frost Clear

Case Type: Open multi deck
Quantity: 1
Length: 12
Product: Dairy Or Beverage
Anti-Sweat Heater: No ASH
Lighting: T12
Compressor: Hussman Super Plus Rack Mixed Temp
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Retrofit lighting
Clean air passages
Install night covers

Kingston Thriftway
10978 NE State Highway 104
Kingston, WA 98346

Case Type: Open multi deck
Quantity: 1
Length: 6.5
Product: Deli
Anti-Sweat Heater: No ASH
Lighting: T8
Compressor: (Std) Self contained
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Packaged Meat
F72T12CWHO@ 85 watts
Install night covers
Retrofit lighting

Case Type: Open multi deck
Quantity: 1
Length: 36
Product: Fresh Meat
Anti-Sweat Heater: No ASH
Lighting: T12
Compressor: Hussman Super Plus Rack Mixed Temp
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: Fresh Meat
Install night covers
Retrofit lighting

Case Type: Open single deck
Quantity: 1
Length: 8
Product: Fresh Meat
Anti-Sweat Heater: No ASH
Lighting: None
Compressor: Hussman Super Plus Rack Mixed Temp
Evap Motor Type: Shaded Pole
Night Covers: None

Door Type: None
Qty of Doors: 0
Damaged Gaskets: 0
Damaged Auto-door Closers: 0
Notes: System 8
Install night covers

Kingston Thriftway
 10978 NE State Highway 104
 Kingston, WA 98346

Case Type: Open multi deck
 Quantity: 1
 Length: 12
 Product: Frozen Food
 Anti-Sweat Heater: No ASH
 Lighting: T12
 Compressor: Hussman Super Plus Rack Mixed Temp
 Evap Motor Type: Shaded Pole
 Night Covers: None

Door Type: None
 Qty of Doors: 0
 Damaged Gaskets: 0
 Damaged Auto-door Closers: 0
 Notes: System 5
 Install night covers
 Retrofit lighting
 Clean air passages

Walk-ins

Case Type: Walk in
 Length: 23
 Width: 11.5
 Floor Area: 276
 Product: Fresh Meat

Lighting:
 Fixture Type: Incandescent, (1) 100W lamp
 Quantity: 3
 Schedule: Business Hours

Compressor: Hussman Super Plus Rack Mixed

Main Doors	1	2	3
Width(inches):	55	55	0
Height(inches):	84	84	0
Time Open:	Typical	High	Typical
Gasket Condition:	Good	Good	Good
Strip Curtains:	None	None	None
Auto Closers:	0	N/A	N/A

Evaporator Fan Controls:
 Thermostat or Liquid Solenoid present?
 Evap Motor Type: Shaded Pole
 Total Evaporators: 2 Total fans: 6

Reach-in:
 Door Type: None
 Anti-Sweat Heater: No ASH
 Damaged Reach-in Auto-door Closers: 0
 Damaged Reach-in Gaskets: 0
 Reach In Gasket Width (inches): 0
 Reach In Gasket Height (inches): 0

Notes: Meat prep area sweep is removed & under slicer table
 Latch needs adjustment, 1/2 "gap
 Prep area is conditioned Separate record follows
 Some missing suction line insulation dripping outside
 fresh meat storage
 Retrofit ECMs or Evaporator Fan Controls
 Install Strip curtains

Kingston Thriftway
 10978 NE State Highway 104
 Kingston, WA 98346

Case Type: Walk in
 Length: 24
 Width: 16
 Floor Area: 384
 Product: Produce

Main Doors	1	2	3
Width(inches):	84	0	0
Height(inches):	55	0	0
Time Open:	High	Typical	Typical
Gasket Condition:	Good	Good	Good
Strip Curtains:	None	None	None
Auto Closers:	0	N/A	N/A

Notes: Produce System 11A

Door left open
 interior handle broken, s/b replaced so door can be closed
 during inventory
 Evaporators are insulated with debris
 clean them to allow better heat transferRetrofit ECMs or
 Evaporator Fan Controls
 Install Strip curtains

Lighting:

Fixture Type: Incandescent, (1) 100W lamp
 Quantity: 3
 Schedule: Business Hours

Compressor:

Hussman Super Plus Rack Mixed

Evaporator Fan Controls:

Thermostat or Liquid Solenoid present?
 Evap Motor Type: Shaded Pole
 Total Evaporators: 2 Total fans: 6

Reach-in:

Door Type: None
 Anti-Sweat Heater: No ASH

Damaged Reach-in Auto-door Closers: 0

Damaged Reach-in Gaskets: 0

Reach In Gasket Width (inches): 0

Reach In Gasket Height (inches): 0

Kingston Thriftway
 10978 NE State Highway 104
 Kingston, WA 98346

Case Type: Walk in
 Length: 27
 Width: 11.5
 Floor Area: 310.5
 Product: Fresh Meat

Main Doors	1	2	3
Width(inches):	36	0	0
Height(inches):	84	0	0
Time Open:	Typical	Typical	Typical
Gasket Condition:	Poor	Good	Good
Strip Curtains:	N/A	None	None
Auto Closers:	0	N/A	N/A

Notes: Meat prep
 Common door not counted
 Retrofit ECMs or Evaporator Fan Controls
 Install Strip curtains

Case Type: Walk in
 Length: 21
 Width: 12
 Floor Area: 252
 Product: Frozen Food

Main Doors	1	2	3
Width(inches):	55	0	0
Height(inches):	84	0	0
Time Open:	High	Typical	Typical
Gasket Condition:	Poor	Good	Good
Strip Curtains:	None	None	None
Auto Closers:	0	N/A	N/A

Notes: Well utilized space, Hi volume is in use.
 Retrofit ECMs or Evaporator Fan Controls
 Install Strip curtains

Lighting:

Fixture Type: Fluorescent, (2) 96", T12 STD lamp
 Quantity: 5
 Schedule: Business Hours

Compressor:

Hussman Super Plus Rack Mixed

Evaporator Fan Controls:

Thermostat or Liquid Solenoid present?
 Evap Motor Type: Shaded Pole
 Total Evaporators: 1 Total fans: 3

Reach-in:

Door Type: None
 Anti-Sweat Heater: No ASH
 Damaged Reach-in Auto-door Closers: 0
 Damaged Reach-in Gaskets: 0
 Reach In Gasket Width (inches): 0
 Reach In Gasket Height (inches): 0

Lighting:

Fixture Type: Incandescent, (1) 100W lamp
 Quantity: 3
 Schedule: Business Hours

Compressor:

Hussman Super Plus Rack Mixed

Evaporator Fan Controls:

Thermostat or Liquid Solenoid present?
 Evap Motor Type: Shaded Pole
 Total Evaporators: 2 Total fans: 6

Reach-in:

Door Type: None
 Anti-Sweat Heater: No ASH
 Damaged Reach-in Auto-door Closers: 0
 Damaged Reach-in Gaskets: 0
 Reach In Gasket Width (inches): 0
 Reach In Gasket Height (inches): 0

Kingston Thriftway
 10978 NE State Highway 104
 Kingston, WA 98346

Case Type: Walk in reach in
 Length: 28
 Width: 16
 Floor Area: 448
 Product: Dairy Or Beverage

Main Doors	1	2	3
Width(inches):	72	0	0
Height(inches):	84	0	0
Time Open:	High	Typical	Typical
Gasket Condition:	Poor	Good	Good
Strip Curtains:	N/A	None	None
Auto Closers:	0	N/A	N/A

Notes: Adjust closers 6" gap! HUGE energy hog
 Poor door repair on door #5 prevents sealing
 Retrofit ECMs or Evaporator Fan Controls
 Install ASH controls

Case Type: Walk in
 Length: 7
 Width: 7
 Floor Area: 49
 Product: Deli

Main Doors	1	2	3
Width(inches):	36	0	0
Height(inches):	84	0	0
Time Open:	High	Typical	Typical
Gasket Condition:	Poor	Good	Good
Strip Curtains:	None	None	None
Auto Closers:	0	N/A	N/A

Notes: Subway Walk-in
 System 13
 Door left open
 Install Strip curtains
 Retrofit ECMs or Evaporator Fan Controls

Lighting:

Fixture Type: Incandescent, (1) 100W lamp
 Quantity: 4
 Schedule: Business Hours

Compressor:

Hussman Super Plus Rack Mixed

Evaporator Fan Controls:

Thermostat or Liquid Solenoid present?
 Evap Motor Type: Shaded Pole
 Total Evaporators: 2 Total fans: 8

Reach-in:

Door Type: Double glazed
 Anti-Sweat Heater: ASH wo controls
 Damaged Reach-in Auto-door Closers: 0
 Damaged Reach-in Gaskets: 5
 Reach In Gasket Width (inches): 0
 Reach In Gasket Height (inches): 0

Lighting:

Fixture Type: Incandescent, (1) 100W lamp
 Quantity: 1
 Schedule: Business Hours

Compressor:

Hussman Super Plus Rack Mixed

Evaporator Fan Controls:

Thermostat or Liquid Solenoid present?
 Evap Motor Type: Shaded Pole
 Total Evaporators: 1 Total fans: 2

Reach-in:

Door Type: None
 Anti-Sweat Heater: No ASH
 Damaged Reach-in Auto-door Closers: 0
 Damaged Reach-in Gaskets: 0
 Reach In Gasket Width (inches): 0
 Reach In Gasket Height (inches): 0

Kingston Thriftway
10978 NE State Highway 104
Kingston, WA 98346

Compressors

Name:	(Std) Self contained	Condenser Type:	Air
Compressor Type:	Integral	Condenser Control:	1-speed fan
Compressor Efficiency:	Standard efficiency	Condensing Temp.:	90
Compressor Age:	10	Condenser Condition:	Cleaned regularly / chemical
Notes:			

Name:	Hussman Super Plus Rack	Condenser Type:	Air
Compressor Type:	Multiplex	Condenser Control:	1-speed fan
Compressor Efficiency:	Standard efficiency	Condensing Temp.:	100
Compressor Age:	15	Condenser Condition:	Cleaned regularly / chemical
Notes:	Two standalone rooftop units SE corner		

unit is short-cycling

airflow,

Condensers may be O/S
4 Suction Groups
SCT=100?
No FHPC FSPC
Heat reclaim for H2O
No exterior suction line insulation
165°>85° Condenser
Condensers are extremely dirty, poor

Electric Billing

Start Date	Stop Date	kWh for period	Cost
8/11/2006	9/11/2006	108360	7953.74



NEXT STEPS:

Proceed?

Direct Install items (circle)

CFL lighting: Yes No Later

No/Later

Reason: _____

Cooler Misers Yes No Later

No/Later

Reason: _____

Expected Annual Savings of Direct Install Measures:

\$

Phase ONE items:

Contractor preference? _____

Additional Expected Annual Savings of Requested Phase One Measures:

\$

Phase TWO items:

Contractor preference? _____



Grocer based on the actual period of time for which I provided the related energy benefits as an electric customer of Puget Sound Energy.



Customer Signature: _____

Date:

Direct Installation Release

(800) 230-9420 Phone
(800) 811-9709 Fax
www.EnergySmartGrocer.org

EE Signature: _____

Store Name: Kingston Thriftway

Address: 10978 St Hwy 104 NE
Kingston, WA 98346

Customer Name: Rick Bjarnsen Title:
Owner

Telephone: (360) 297-3350

Electric Acct #: ____
1267820007 _____

Item:

COOLER MISER	CFL, Walk-In	CFL

Agreement

I allow PSE EnergySmart Grocer to install CFL's and/or CoolerMisers in my facility, at no cost to me. I agree to leave the item installed for its effective useful life, to ensure that the energy savings will be captured. I request that the rebate for this be released to the PSE Energy Smart Grocer Program.

I understand that Energy Smart Grocer does not make any warranty, express or implied, about the benefits to be derived from this installation. I agree to hold harmless Energy Smart Grocer and Puget Sound Energy for any unintended consequences of this installation.

I agree that if I do not leave the measure installed for the life of the product, I shall refund a prorated amount of rebate dollars to PSE Energy Smart



EnergySmart Grocer Retrofit Program Rebate Application

Process

EnergySmart Grocer ensures success throughout the retrofit and rebate process. Please contact the program before making any upgrades to your store. The program will document the store pre-existing conditions and calculate your savings and rebate. Bids for more complex measures are pre-approved. For example, if installing a multiplex compressor system, the contractor submits documentation of the design proposal. Our engineers review the bid to guarantee that your installation will meet the terms and conditions for a rebate. More information is available at EnergySmartGrocer.org or by calling the program directly at **800-230-9420**.

Please note that there may be multiple ways to achieve the same energy savings. If you have a proposal that doesn't meet the exact terms and conditions, but you believe offers the same or greater energy savings, please contact the program at the number above.

Eligibility

Eligibility for the EnergySmart Grocer program is restricted to grocery stores, convenience stores, and supermarkets operating in the service area of Puget Sound Energy. Electric customers are eligible for rebates for electric efficiency measures. Gas customers are eligible for rebates for gas efficiency measures.

Requirements

- All purchase invoices or receipts for rebate items must be dated before Dec 31, 2007.
- Customers cannot receive additional rebates for the same equipment from any other PSE program.
- Rebates may not exceed the total installed cost of the measure.
- Equipment must meet the Terms and Conditions specified. **Terms and Conditions are subject to change. Please check with EnergySmart Grocer Program before making your application.**
- Rebate payments are the property of the applicant. The applicant may assign payment to a third party. A completed *Payment Release Form* is required to do this.

How to Apply

Participant Information

1. Fill out and sign the Participant Information. Please indicate tax ID and tax status.

Rebate Worksheet

2. Your contractor or Energy Expert will fill out the rebate worksheet, showing the units installed and calculating the total rebate.

Invoice

3. Attach the itemized invoice(s) for the units installed. Be sure that the **make and model number** of each item appears on the invoice. (Photocopies accepted)
4. Mail the *Rebate Worksheet*, signed *Participant Information*, and *Invoice* to:
PSE EnergySmart Grocer Program
1400 SW 5th Ave, Suite 700
Portland, OR 97201

Rebate Check

5. The program will verify installation and issue a rebate check within three weeks of receipt of a completed application and project invoices for approved measures.

EnergySmart Grocer Participant Information

The following information ensures that EnergySmart Grocer can deliver rebates to you or your contractor without delay.

Note: The original application and itemized invoices must be received by the EnergySmart Grocer program or postmarked no later than Dec. 31, 2007. Rebates may not exceed the total installed cost of the measure.

Customer Information:

9-Digit Taxpayer ID Number: _____

Tax Status (check one):

PSE Utility Account Number: _1267820007_

Individual/Sole Prop. Corporation
 Partnership Exempt

Kingston Thriftway

Name of Facility

Rick Bjarnsen

Contact Person

Title

(360) 297-3350

twrick@earthlink.net

Telephone

Fax

E-mail address

10978 St Hwy 104

Street Address (where installed)

Kingston

WA

98346

City

Zip

Check Payable to the Following:

Store or Company Name

Mailing Address for Check

City

State

Zip

Rebate incentives are taxable and if greater than \$600 will be reported to the IRS on Form 1099, unless exempt. The EnergySmart Grocer Program is not responsible for any taxes imposed as a result of your receipt of rebate(s).

I agree to verification by the EnergySmart Grocer program and I certify that the information on this application is true and correct. I have read and understand the Terms and Conditions set forth in this application and I agree to abide by those requirements.

I have not and will not receive any rebates for the same equipment under any other program funded by Puget Sound Energy. I agree that if I do not leave the measure installed for the life of the product, I shall refund a prorated amount of rebate dollars to EnergySmart Grocer based on the actual period of time for which I provided the related energy benefits as an electric customer of Puget Sound Energy.

Customer Signature

Date

Customer Name (Printed)



Payment Release Form

I request that my PSE EnergySmart Grocer Program rebate check be made payable and sent to the vendor below. By signing this form, I acknowledge that I understand I will not receive a rebate check directly; my rebate amount has already been figured into my vendor's job estimate.

I understand that releasing payment to my vendor does not exempt me from the program requirements outlined on my PSE EnergySmart Grocer rebate application.

Signature

Date

Rick Bjarnsen

Name (printed)

Kingston Thriftway

Store Name

10978 St Hwy 104 NE Kingston, WA 98346

Store Address

Contractor Information:

Name for check payable

Mailing Address

City/State/Zip

Vendor Federal Tax ID Number: -

Vendor Tax Status (Check one): Corporation Individual/Sole Proprietor

Partnership Other

Program incentives are taxable to the entity that receives the rebate check, whether it is the customer or the vendor. The PSE EnergySmart Grocer Program sends a 1099 to the IRS and the Assignee for payments totaling more than \$600 per calendar year for businesses that are not corporations.