Duquesne Light VISA® Prepaid Card
Solar Water Heater Rebate Application

Promotion Dates: 12/01/2009 – 03/31/2013. Requests must be postmarked by 03/31/2013.

THIS OFFER IS FOR CONTRACTOR ONLY INSTALLED ITEMS, THEREFORE THE CONTRACTOR SHOULD PROVIDE ALL INFORMATION EITHER BY FILLING OUT THIS FORM OR PROVIDING THE INFORMATION TO THE CUSTOMER TO FILL OUT.

ALL SECTIONS ARE REQUIRED TO BE COMPLETED IN ORDER TO QUALIFY.

ENERGY STAR® Qualifying Product	Purchase Date	Manufacturer	Model #	Solar Fraction	Rebate
Solar Water Heater					**$300.00**

☐ Yes, customer has Electric Water Heat. (The new unit must be installed in a dwelling with an existing electric water heater in order to qualify.)

To receive your Duquesne Light Visa Prepaid Card by mail, follow these steps:

1) Purchase a Qualifying Product listed above and circle the valid product(s) on your receipt or invoice. The rebate item you purchased must be an ENERGY STAR qualified Solar Hot Water Heater. To view the list of qualifying models, please visit: www.rebate-zone.com/wattchoices.

2) Install the product in a property with an active Duquesne Light Account.

3) Make a copy of the first page of your most recent Duquesne Light bill.

4) Mail the following to the address on the right:

   a. This application, completed accurately and legibly.

   b. A copy of your receipt and/or contractor invoice of the detailed item installed. *(Contractor proposal or contractor estimates do **NOT** qualify.)*

   c. A copy of the first page of the most recent Duquesne Light bill.

   d. A copy of the Solar Water Heater Self Inspection System Checklist to be completed by the contractor and can be found attached to this application or at www.rebate-zone.com/wattchoices.

Duquesne Light Rebate
Offer # H537288
PO Box 130002
El Paso, TX 88513-0002

***Duquesne Light 13-Digit Account #** ☐☐☐☐–☐☐☐–☐☐☐–☐☐☐ **Denotes Required Field*

*First Name (Your First and Last Name from this field will appear on your Visa Prepaid Card) *Last Name

*Address *(Your Visa Prepaid Card will be mailed to the address provided in this field.)*

*City *State *Zip Code

Email *(Used to send status updates regarding this application.)* Phone

*Dealer/Contractor ID # *Dealer/Contractor Name *Phone

Address City State Zip Code

☐ I have read, understand, and am in compliance with all rules, INSTRUCTIONS AND TERMS AND CONDITIONS for this product provided on the rebate website. I understand Duquesne Light reserves the right to audit my rebate application and if requested, I will allow Duquesne Light representatives access to verify the installation of qualifying products and verify the removal of older products where applicable. I understand Duquesne Light may provide my name and address to Duquesne Light representatives to verify this information, and I approve sending the rebate to the address I have provided above.

*Customer Signature *Date

(!) **IMPORTANT:** Photocopy your entire submission for your records. You could be required to mail, e-mail or fax these photocopies.

Subject to Watt Choices program funding availability.

Prepaid Cards will be mailed to qualifying customers within 60 days of the postmark date on your qualified application. To review the status of your application or to ask questions, call 1-877-694-2197 or visit www.rebate-zone.com/wattchoices at any time. Your right to receive this rebate will not be earned unless you purchase a qualifying product and follow each of the steps above. This rebate is available to Duquesne Light customers with mailing addresses in the United States. Duquesne Light is not responsible for lost, late, damaged, illegible, misdirected or postage-due applications. Your rights to this rebate cannot be assigned or transferred. Excessive submissions constitute fraud and may result in federal prosecution under the U.S. mail fraud statutes (Title 18, USC 1341 and 1342). All submitted materials become property of Duquesne Light and will not be returned. Cards are issued by Citibank, N.A. pursant to a license from Visa U.S.A. Inc. and managed by Citi Prepaid Services. Cards will not have cash access and can be used everywhere Visa debits cards are accepted. **(DQR)**

SOLAR WATER HEATING SELF-INSPECTION SYSTEM CHECKLIST

Project Information

Contractor	Participant	Date of Inspection
Site Address		
City	State	Zip

Ambient Temp. (°C)	Solar Radiation (w/m^2)	Solar Tank Water Temp (°C)	Time of Measurement

*If measurements cannot be taken, please explain why:

_____

_____

System Checklist

A. General Requirements	
☐	1. Back-up water heater is an electric water heater
☐	2. Roof has more than 15 years useful life remaining, if system is located on roof
☐	3. Jurisdiction inspections(s) have been passed Permit#_____ Date:_____
B. General System Requirements & Hardware Installation	
	Collector Siting, Orientation and Mounting
☐	1. Collector tilt, orientation and shading amount consistent with project plans
☐	2. Total TSRF losses do not reduce annual output by more than 25% of optimal output
☐	3. Collector mounting is per manufacturer's specifications and framework will resist deterioration
☐	4. Solar collectors are raised off roof surface or properly flashed to the roof
☐	5. All roof and building penetrations are permanently sealed using appropriate materials and techniques
	General Equipment and Installation
☐	1. System is of workmanlike quality and complies with local code
☐	2. All components are new
☐	3. Any building insulation disturbed due to system installation is restored to previous condition
☐	4. All valves, gauges and instruments are installed properly and labeled per program specifications
☐	5. A thermometer is present that gives the temperature of the solar heated water
☐	6. Corrosion between dissimilar metals has been avoided in all structural components
	Plumbing/Piping
☐	1. There are no leaks in the system plumbing
☐	2. Anti-convective piping with sweat fittings or threaded fittings (with flexible copper piping) with high temp. gaskets are installed at all hot water outlets and cold water inlets
☐	3. All piping in the system is copper or cross-linked polyethylene type, and all fittings are either copper or brass; cross-liked polyethylene piping connections are made with compression fittings
☐	4. Potable pressurized plumbing in unheated overhead spaces is cross-linked polyethylene type
☐	5. Cross-linked polyethylene piping underground or in unheated overhead spaces is continuous with no connections along the buried lengths or within the unheated overhead space

☐	6. Piping runs are adequately and appropriately supported
☐	7. High temperature rated closed cell foam pipe insulation with a minimum ¾ inch thickness is installed on all pipes in the system and first 5' of exposed cold water inlet piping
☐	8. Pipe insulation is properly sized to fit pipe and continuously closed and sealed
☐	9. Pipe insulation exposed to the outside is adequately protected and R-12 minimum insulation is installed on potable water piping exposed to outdoor temperature or in unheated spaces
☐	10. Underground piping is of the appropriate type and is fully enclosed with appropriately water proofed R-6 insulation designed for underground application below frost line
	Freeze Protection
☐	1. If an antifreeze system: a vented, double wall or approved heat exchanger has been installed
☐	2. High temperature propylene glycol antifreeze solution has been used
	Valves
☐	1. Fully ported isolation valves are installed, enabling bypass of solar system.
☐	2. Anti-scald, pressure compensating tempering valve(s) are installed and a) On the downstream side of the backup electric water heater(s), b) Located after anti-convective plumbing, and c) at or below 140ºF
☐	3. Temperature & pressure relief valve is installed on solar storage tank
☐	4. Valves are supplied for filing, flushing, and draining collector loop and potable water piping
	Backup Water Heater
☐	1. Auxiliary heater thermostat(s) is set to 120ºF (or not to exceed 140ºF)
☐	2. Backup tanks must have a minimum of 40 gal of backup storage and appropriate insulation
☐	3. If tank has added side wrap insulation, access panels to heating elements are left uncovered
	Solar Storage Tank
☐	1. Minimum solar storage tank capacity of 1.25 gallons/sq. foot of collector area is provided
☐	2. Solar tank is not wired (except for wiring to upper element on single tank systems)
☐	3. Solar tank is insulated to program standards. If insulated to OSEIA standards, industry sticker is on tank
☐	4. If water leakage could cause structural damage, drip pan with pipe routed to drain or outside is installed
☐	5. The potable water supplied to the solar storage tank meets minimum quality standards
☐	6. Means for changing the sacrificial anode rod has been provided
	C. Specific System Requirements & Installation (complete all sections that apply)
	All Passive Systems (Thermosiphon)
☐	1. Adequate structural support is present per manufacturer's specifications
☐	2. The potable water inlet and outlet piping is type L copper or brass and piped directly above the roof jack
☐	3. Incoming supply line pressure does not exceed 70psi, and pressure reducing valve is properly located
☐	4. A 90psi cold water expansion valve is installed downstream of any pressure reducing valve, check valve, or backflow prevention in an area without freeze risk and routed to a positive drain
☐	5. A check valve is installed in cold water supply line upstream of the cold water expansion valve
☐	6. Pressure relief valve at temperature/pressure relief valve on solar tank is piped to drain

	All Active Systems
☐	1. Incoming supply line pressure does not exceed 90psi, and pressure reducing valve is properly located
☐	2. If a pressure reducing valve, check valve, and/or back flow prevention is/are on potable supply line to the system, a properly sized and located expansion tank is installed
☐	3. Fill and drain valves have leak-proof caps
☐	4. Circulation pump is installed with shaft orientated horizontally
☐	5. System has been designed to allow for isolation of the circulation pump
☐	6. Controller has correct settings and is mounted within 6 ft. of solar storage tank
☐	7. Sensor wiring (when outdoor) has a UV-rated exterior jacketing, is continuously attached, and is protected from abrasion, contact with 110V/220V lines/conduit, weather and high temperature
☐	8. Flow meter is provided in vertical piping to the collectors
☐	9. If PV powered, the PV module is connected to the DC pump with wiring of appropriate gauge and type in a dedicated roof jack with a DC rated on/off switch between the PV module and the circulating pump
☐	10. If PV powered, a high temperature shutoff function is installed and wired through the circulation pump
	Active Antifreeze Systems (if applicable)
☐	1. Fill valve has a label indicating non-toxic heat transfer fluid to be used
☐	2. Pressure gauge is installed in the collector loop and the operating pressure is within 10-45psi
☐	3. A 150psi pressure relief valve piped to drain is installed on the return line from the collectors
☐	4. A check valve is installed on return line from collectors near inlet to heat exchanger
☐	5. A correctly sized and rated expansion tank is installed on supply line to collectors
☐	6. A threaded plug fitting is installed at the high point in the collector loop and is insulated
	Active Drainback Systems (if applicable)
☐	1. Collectors are pitched a least 1/8" per ft to inlet and piping is continuously pitched between collector and drainback reservoir with a minimum 1/8" per ft
☐	2. There are no inverted U-loop piping configurations between the storage tank and the pump
☐	3. 150psi pressure relief valve is installed on drainback tank
☐	4. Drainback tank is insulated to program standards for solar storage tanks
☐	5. Distilled or deionized water and a suitable corrosion inhibitor have been used in the collector loop piping
	D. Customer Manual Contents
☐	1. System Overview page is complete and accurate
☐	2. Copy of Contractor's system warranty
☐	3. Copy of collector and tank manufacturers' warranties and owners' manuals
☐	4. Copy of performance disclosure form (can be proposal or project plans
☐	5. Accurate as-built diagram showing all electrical elements of the system

☐	6. Startup procedure, shutdown procedure and troubleshooting guidelines
☐	7. Recommended maintenance procedures, including specific actions and frequency
☐	8. Mechanical components information, including but not limited to materials, racking system, type of fasteners, and sealant used on roof penetrations
☐	9. Component data sheets for primary components, including but not limited to collector(s), pumps, tank, valves, heat exchangers, thermometers, flow meters etc.
E. Owner Education	
☐	1. Owner understands basic system operation and maintenance
☐	2. Owner can accurately read flow and gauges meter
☐	3. Owner understands potential performance impacts of shading
☐	4. Owner knows who to call in the case of an emergency
☐	5. Owner understands proper start-up and shut-down procedure

Contractor must complete and sign the statement below after performing a self-inspection.

Contractor Self-Inspection Signature

I certify that the system listed on this SOLAR WATER HEATING SELF-INSPECTION SYSTEM CHECKLIST was installed as described in project proposals and plans provided the Duquesne Light Residential Energy Efficiency Rebate Program (REEP) Customer Participant and that the system complies with the requirements listed on this form. Should a subsequent random inspection of the system identify a non-fatal Program violation, I understand that I will be required to cure the violation within thirty (30) days of the random inspection report. If I do not cure the violation, I will be required to refund to Duquesne Light an amount equal to the incentive funds paid by the REEP for this system.

Contractor Name	**Contractor Signature**	**Date**