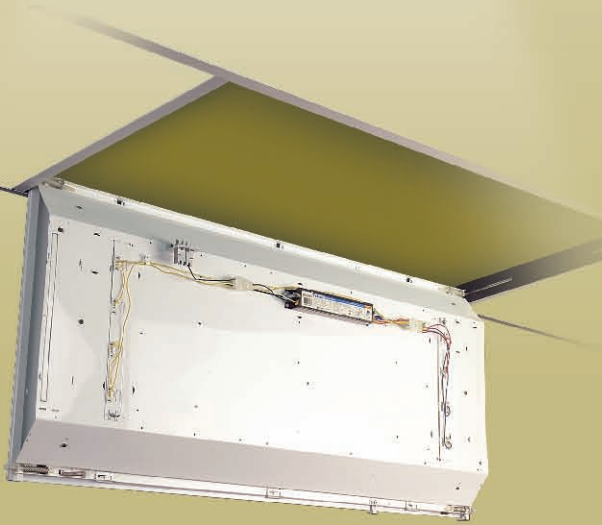


# Versatility: The right solution is at your fingertips!

## SmartFixture<sup>TM</sup>

CHANGING THE WAY  
WE THINK OF LIGHTING!<sup>TM</sup>



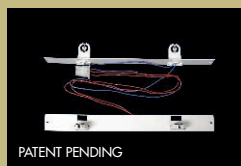
With the SmartFixture<sup>TM</sup> snap-in, snap-out lamp holders, you can specify required light levels by readily adding or removing desired lamps. In fact, there are up to twelve different lamp configurations in the standard direct SmartFixture<sup>TM</sup> and an additional nine different lamp configurations in the direct/indirect SmartFixture<sup>TM</sup>. One luminaire providing twenty-one potential lamp configurations and multiple ballast and lens configurations! Your choices are many... with over sixty current configurations, the SmartFixture<sup>TM</sup> is unprecedented in today's lighting marketplace.

	LAMP OPTIONS	FIXTURE OPTIONS	LENS OPTIONS	COSMETIC OPTIONS
<b>CORRIDOR COMPUTER AREA</b>	<b>2-LAMP SmartFixture<sup>TM</sup></b> 39 to 51 Watts 25 Watt T8 Lamps 3,476 to 4,972 Lumens 87 to 100 Lumens/Watt	T8 OR T5 LAMPS	DIRECT LIGHTING DISTRIBUTION	ACRYLIC PRISMATIC  COLORS  TEXTURES
<b>GENERAL OFFICE</b>	<b>3-LAMP SmartFixture<sup>TM</sup></b> 60 to 69 Watts 25 Watt T8 Lamps 5,214 to 6,534 Lumens 87 to 97 Lumens/Watt	ACCEPTS 2, 3 OR 4 LAMPS	INDIRECT LIGHTING DISTRIBUTION	BLADE LOUVER  PARABOLIC LOUVER  ARCHITECTURAL AND LOGO CUTOUTS
<b>DRAFTING AREA</b>	<b>4-LAMP SmartFixture<sup>TM</sup></b> 76 to 111 Watts 25 Watt T8 Lamps 6,952 to 10,560 Lumens 91 to 97 Lumens/Watt	ALL OPTIONS CAN BE FIELD UPGRADED	ALL OPTIONS CAN BE FIELD UPGRADED	ALL OPTIONS CAN BE FIELD UPGRADED

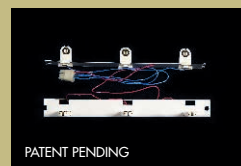
Transforming the way lighting systems operate

- ▲ Maximizing Energy Performance
- ▲ Enhancing Maintenance Operations
- ▲ Providing Flexibility and Versatility

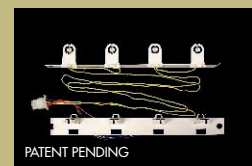
Through the revolutionary plug-n-play technology of the SmartFixture<sup>TM</sup>, lamps can be reconfigured, ballasts can be replaced and lenses can be changed in the field without tools. Utilizing the ATA<sup>TM</sup> Installer, you can obtain direct access to the lamps, lamp holders and ballasts by rotating the lens frame and housing from the ceiling.



2-Lamp Holder



3-Lamp Holder



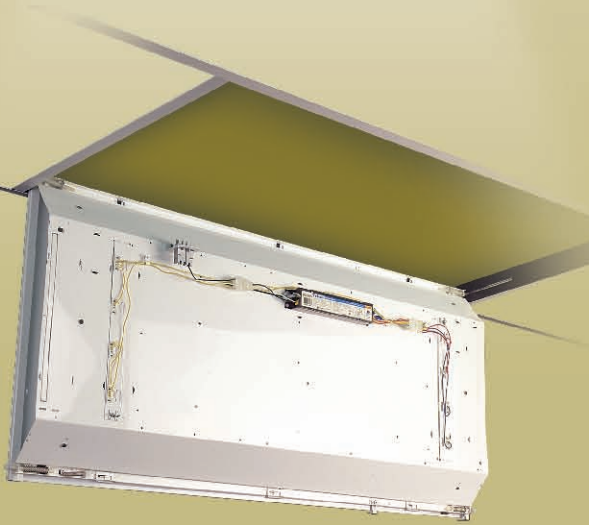
4-Lamp Holder

Whether you are considering a lighting system for new construction or an existing facility, the versatility of the SmartFixture<sup>TM</sup> lighting system makes it the RIGHT CHOICE. As lamp and ballast technology continue to evolve, the SmartFixture<sup>TM</sup> can be readily adapted to meet future changes.

**SmartFixture<sup>TM</sup> is your investment in the future...  
finally, there's a better way!**

# SmartFixture<sup>TM</sup>

CHANGING THE WAY  
WE THINK OF LIGHTING!<sup>TM</sup>



## Operation & Maintenance:

Reduce your full-time equivalent hours (FTE's)!

There has never been a better time for SmartFixture<sup>TM</sup> ... opening a whole new world for reducing the cost of operations and maintenance!

**Lamps:** Lamp replacement is accomplished in 25% less time than for conventional luminaires using snap-in, snap-out access. Because the ballast is mounted outside the lamp area, lamps can operate at lower temperatures often resulting in increased light output and longer life.

**Ballasts:** Ballast replacement is accomplished in 75% less time than for conventional luminaires with redesigned access and plug-n-play technology. With outside the lamp area mounting, ballasts have the ability to operate at lower temperatures often resulting in extended life. In addition, the SmartFixture<sup>TM</sup> plug-n-play technology allows maintenance personnel to safely change ballasts reducing or eliminating the need for higher paid engineers or technicians.

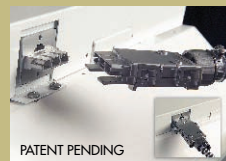
**Equipment:** Through its innovative design, the SmartFixture<sup>TM</sup> saves costly and valuable staff time for servicing and cleaning... it will change your mind about conventional luminaires fast!

Transforming the way lighting systems operate

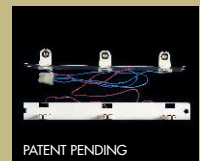
- ▲ Maximizing Energy Performance
- ▲ Enhancing Maintenance Operations
- ▲ Providing Flexibility and Versatility



Ballast with Quick Disconnect Plugs



ATA<sup>TM</sup> Connector



3-Lamp Holder

With the potential to reduce overall luminaire maintenance costs by 49%, the SmartFixture<sup>TM</sup> is the RIGHT CHOICE for improving your bottom line!

SmartFixture<sup>TM</sup> is your investment in the future...

finally, there's a better way!

## Accelerated Tax Depreciation: Improve your ROI and payback!

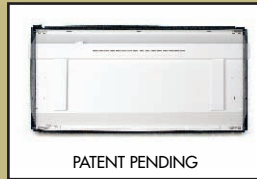
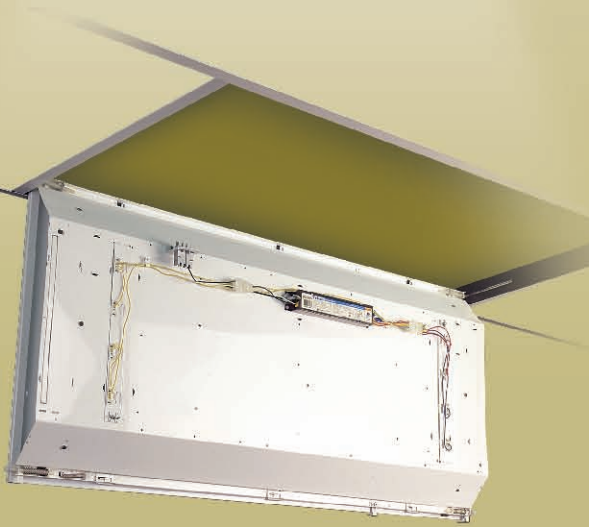
### SmartFixture<sup>TM</sup>

CHANGING THE WAY  
WE THINK OF LIGHTING!<sup>TM</sup>

The SmartFixture<sup>TM</sup> utilizes revolutionary and long overdue modular technology with its ATA<sup>TM</sup> Connector and the ATA<sup>TM</sup> Installer. These integral devices developed by Arcalux<sup>TM</sup> provide the "portability" and "reuseability" required for 5 to 7 year accelerated depreciation under IRS guidelines. Arcalux<sup>TM</sup> also works closely with one of the largest cost segregation groups in the world to ensure that your accounting department has the proper information to take advantage of these valuable tax savings.

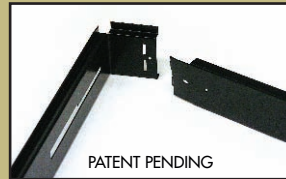
Depending on your company's tax rate, Arcalux<sup>TM</sup> has found this benefit will produce up to an additional 19% present value ROI and significantly lower your total payback.

With the potential to capture tax savings not previously possible with conventional luminaires, the SmartFixture<sup>TM</sup> is the RIGHT CHOICE!



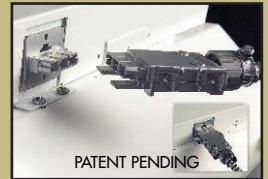
PATENT PENDING

ATA<sup>TM</sup> Installer



PATENT PENDING

Easy Interlocking Installation Panels



PATENT PENDING

ATA<sup>TM</sup> Connector

Transforming the way lighting systems operate

- ▲ Maximizing Energy Performance
- ▲ Enhancing Maintenance Operations
- ▲ Providing Flexibility and Versatility

For example, consider a \$150,000 investment in a conventional lighting system depreciated straight-line over 39 years, 17.92% of the investment would be depreciated after 7 years. Your investment in a SmartFixture<sup>TM</sup> system would be 95% (net of salvage value) depreciated after 7 years.

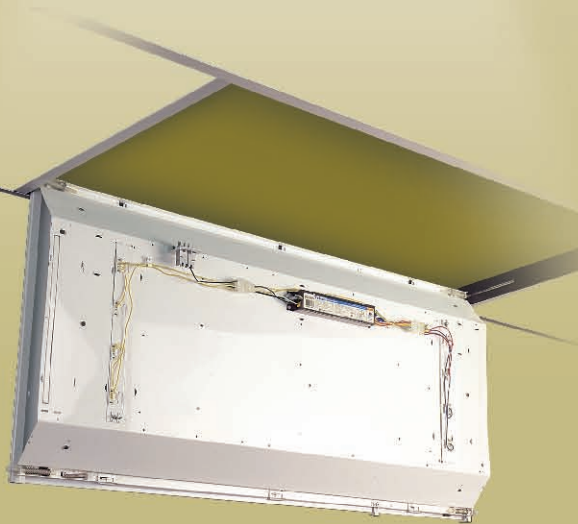
	INVESTMENT		DEPRECIATION		VALUE AFTER 7 YEARS
Conventional System	\$150,000	×	17.92%	=	\$26,880 DEPRECIATED VALUE
	\$26,880	×	38% (Tax Rate)	=	\$10,214 RECOVERED VALUE
SmartFixture <sup>TM</sup> System	\$150,000	×	95%	=	\$142,500 DEPRECIATED VALUE
	\$142,500	×	38%	=	\$54,150 RECOVERED VALUE

SmartFixture<sup>TM</sup> is your investment in the future...  
finally, there's a better way!

# Energy Costs: Cut your energy usage!

## SmartFixture™

CHANGING THE WAY  
WE THINK OF LIGHTING!™



The SmartFixture™ lighting system is a great asset in reducing rising energy costs. On average, it will reduce energy usage (kWh) by 25% to 50% depending on the system currently being utilized. Arcalux™ believes in the "Quality of Light" concept that saves energy without compromising lighting quality with 36", T8 lamps, 33", T5 lamps and 46", T5 lamps. The SmartFixture™ is the RIGHT CHOICE for "fine tuning" the balance between providing light quality and generating energy savings.

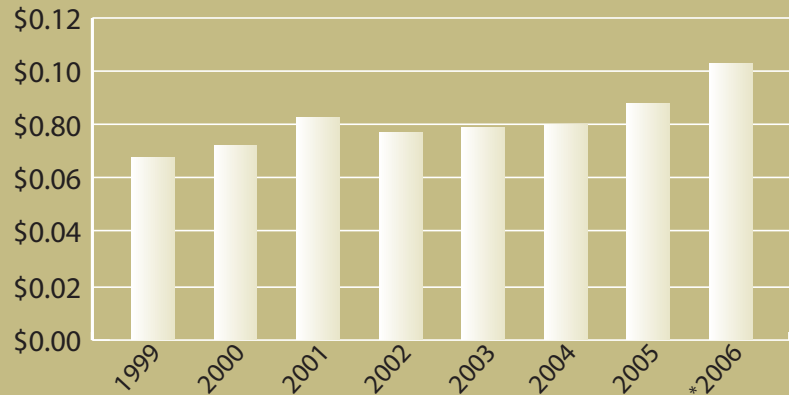
### Why Worry About the Cost of Energy ?

From Jan. 2005 to Jan. 2006 the cost of electricity increased an average of 10.5% in the commercial sector and 12.6% in the industrial sector.

The SmartFixture™ lighting system provides immediate opportunity to lower your facility's electricity usage.

Annual kWh Rate for Commercial Sector

\*Year to date average Source: EIA



Transforming the way lighting systems operate

- ▲ Maximizing Energy Performance
- ▲ Enhancing Maintenance Operations
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### DELIVERED 47% IN SAVINGS

Existing Fixtures				SmartFixture™			SmartFixture™ Savings		
Qty	Fixture Type	kW/ Fixture	Total kW	Fixture Type	kW/ Fixture	Total kW	Hours of Operation	kWh	\$
1220	3 lamp T12 (2 mag. ballasts)	.115	140.3	3 lamp T8 (4 lamp ballast)	.061	74.4	3,800	282,720	\$28,272
481	2 lamp T12 (1 mag. ballast)	.072	34.6	2 lamp T8 (4 lamp ballast)	.039	18.8	3,800	60,040	\$6,004
		<b>Totals</b>	<b>174.9</b>			<b>93.2</b>		<b>342,760</b>	<b>\$34,276</b>

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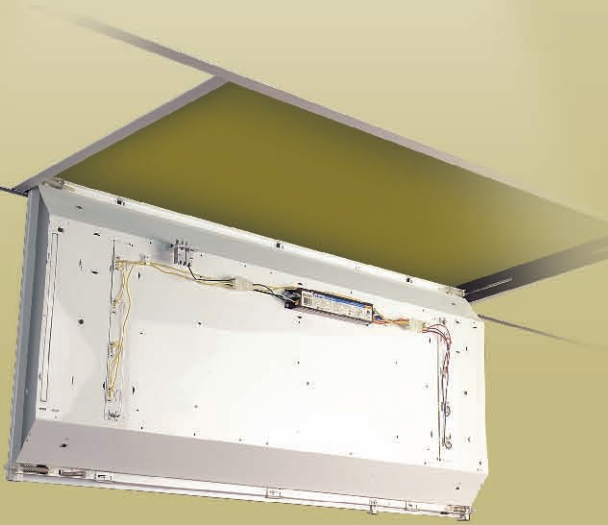
6306 Alder ▲ Houston, Texas 77081 ▲ 713-218-8999 ▲ Fax 713-218-0555

**1-888-686-2589**

# Environmentally Green: Be kind to our Earth!

## SmartFixture<sup>TM</sup>

CHANGING THE WAY  
WE THINK OF LIGHTING!<sup>TM</sup>



Using the Leadership in Energy and Environmental Design (LEED<sup>®</sup>) guidelines as its baseline, Arcalux<sup>TM</sup> is committed to sustainable building design and providing a positive effect on our environment through its innovative products.

Three key features have been accomplished through world-class engineering which make SmartFixture<sup>TM</sup> a welcomed addition to our Earth:

- (1) When the SmartFixture<sup>TM</sup> is installed and later relocated or modified, normally only 2% to 5% of this luminaire will be removed. These parts can also be stored and reused affording nearly zero landfill impact;
- (2) Lamps and ballasts last longer again reducing landfill impact; and
- (3) The SmartFixture<sup>TM</sup> is always shipped in biodegradable packaging with low mercury content T8 and T5 lamps.

The Arcalux SmartFixture<sup>TM</sup> can help you qualify for a number of LEED<sup>®</sup> credits:

SECTION	DESCRIPTION
EA 1.1	Optimize Lighting Power
EA 1.2	Optimize Lighting Controls
MR 1.1	Long-term Commitment
MR 1.2	Building Reuse, Non-structural
MR 3.1	Resource Reuse
EQ 6.1	Lighting Controls
ID 1.1	Innovation

*“Green design not only makes a positive impact on public health and the environment, it also reduces operating costs, enhances building and organizational marketability, potentially increases occupant productivity, and helps create a sustainable community.”*

U.S. Green Building Council

Transforming the way lighting systems operate

- ▲ Maximizing Energy Performance
- ▲ Enhancing Maintenance Operations
- ▲ Providing Flexibility and Versatility

With the potential to help you capture more LEED<sup>®</sup> credits than any other lighting system on the market, the SmartFixture<sup>TM</sup> is the RIGHT CHOICE for a green environment!

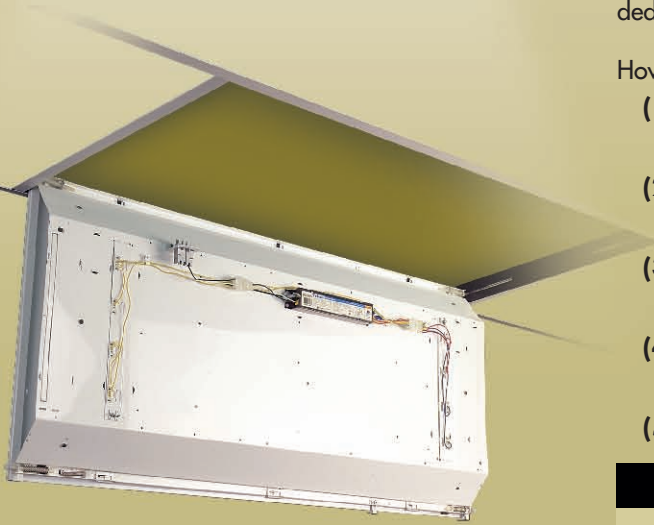
**SmartFixture<sup>TM</sup> is your investment in the future...  
finally, there’s a better way!**

# EPact Tax Deductions:

Take full advantage of the Treasury's gift!

## SmartFixture<sup>TM</sup>

CHANGING THE WAY  
WE THINK OF LIGHTING!<sup>TM</sup>



The Federal Energy Policy Act (EPact) of 2005 provides for a tax deduction when commercial buildings are made more energy efficient. Additionally, public facilities are eligible to participate in EPact by allowing the primary designer of a lighting project to receive the tax deduction and then passing these savings through as lower fees or rebates. Replacing lighting systems is one of three parts associated with EPact that qualifies for a maximum deduction of \$0.60 per square foot.

How do I qualify to receive the tax deduction?

- (1) Achieve a reduction in lighting power density (LPD) of at least 25% of the minimum requirements stated in Standard 90.1-2001
- (2) Have controls and circuiting that comply fully with the requirements of Standard 90.1-2001
- (3) Include a provision for bi-level switching in all occupancies (some exceptions)
- (4) Meet the minimum requirements for lighting levels set forth in the IESNA lighting handbook
- (5) Implement the improvements by January 1, 2008

Transforming the way lighting systems operate

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WHAT YOU CAN RECEIVE	
% LPD Reduction	Deduction Amount per SF
25%	\$0.30
26%	\$0.32
27%	\$0.34
28%	\$0.36
29%	\$0.38
30%	\$0.40
31%	\$0.42
32%	\$0.44
33%	\$0.46
34%	\$0.48
35%	\$0.50
36%	\$0.52
37%	\$0.54
38%	\$0.56
39%	\$0.58
40%	\$0.60
>40%	\$0.60

EXAMPLE: 75,000 Square Foot Facility With 938 Fluorescent Fixtures	
Existing lighting system:	144 Watts each
4 lamp fluorescent fixtures (T12 lamps and magnetic ballasts)	135,000 Total Watts 1.8 LPD
New lighting system:	84 Watts each
4 lamp Arcalux <sup>TM</sup> SmartFixture <sup>TM</sup> (T8 lamps and electronic ballasts)	78,750 Total Watts 1.1 LPD

MORE EXAMPLES			
Building Type	ASHRE 90.1 LPD	% Reduction	Amount Earned
School	1.5	27%	\$0.34
Office	1.5	27%	\$0.34
Retail	1.9	42%	\$0.60

With the lowest life-cycle of ownership, the SmartFixture<sup>TM</sup> is the RIGHT CHOICE to help you maximize potential EPact Tax Advantages.

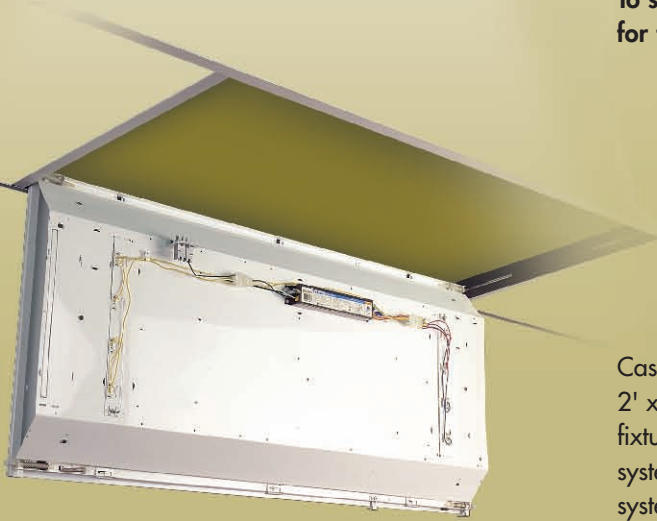
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# Utility Rebates: Capture State provided funds!

NEW JERSEY

## SmartFixture<sup>TM</sup>

CHANGING THE WAY  
WE THINK OF LIGHTING!<sup>TM</sup>



All States have Utility Rebate programs through their various State utilities. Rebates represent cash payments available to companies that install energy efficient products in their facilities.

To see how this works, lets take a look at an example for the State of New Jersey

### Requirements for receiving rebates:

- ▲ \$1.00 per watt per square foot below ASHRAE 90.1-1999;
- ▲ Incentive threshold = 10% below ASHRAE 90.1-1999; and
- ▲ Maximum of \$30.00 per fixture.

Case Study of an existing 113,580 square foot<sup>2</sup> school with 1,893 existing 2' x 4' fixtures (three-lamp and four-lamp T12) averaging 115 watts per fixture. All existing fixtures were replaced with the SmartFixture<sup>TM</sup> lighting system (three-lamp and two-lamp T8 fixtures). The new SmartFixture<sup>TM</sup> lighting system averaged 65 watts per fixture and generated \$47,703 in utility rebates.

Transforming the way lighting systems operate

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	Existing Fixtures	SmartFixture <sup>TM</sup> System
Number of Fixtures	1,893	1,893
Average Watts per Fixture	115	65
Watts per Square Foot (LPD')	1.92	1.08
ASHRAE 90.1 - 1999 Requirements	-	1.50
Percent under Requirements	-	28%
<b>Rebate Amount</b>	-	<b>\$47,703</b>
(Req. LPD' - SmartFixture <sup>TM</sup> LPD' = .42 x Sq. Ft. x \$1.00 = Rebate \$)		

\*Lighting Power Density

With the lowest life-cycle cost of ownership, the SmartFixture<sup>TM</sup> is the RIGHT CHOICE to help you maximize potential utility rebates.

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