



DesignStar Benefits

- Produces a professional proposal complete with a customized cover, ARI and GAMA certificate and Rheem consumer literature in 15 minutes
- Differentiates Contractor sales presentations with Rheem Home Comfort Systems from competitors in the market
- Provides an easy method of demonstrating the benefits and savings of purchasing high-efficiency Rheem Prestige Series® Systems
- System Selection is made from the very latest ARI and GAMA data – no knowledge of Rheem equipment model numbers required



DesignStar – Getting Started

- What Does a DesignStar user need?
 - Purchased license
 - Valid e-mail address
 - A user name and password
 - Internet connection
 - Adobe Acrobat Reader
 - Printer



Step 1- Rheem DesignStar Login

[Current Proposal](#)

[List Proposals](#)

[Preferences](#)

[About](#)

[Logout](#)

[Technical Support](#)

IRL is

[Http://rheem.virtualhvac.com](http://rheem.virtualhvac.com)

Forgot your password?

Email request to
EnergyD@EnergyD.com



Email Address

Password

Login




Step 2 - Set Up Baseline Comparisons

Current Proposal | List Proposals | Preferences | About | Logout

Systems | Economics | Details | Weather | **Baselines** | Save As Default | Print | Email

Drag units here to add to this system



Air Conditioner

ARI Reference Number:

Outdoor Model Number:








Indoor Model Number:

Furnace Model Number:

SEER: to

EER: to

Cooling Capacity: to

<input type="checkbox"/>		RARL-036J*	RCHL-36A*	RGGD-10?ZCM?	551176	15.40	12.30	34600	5739 lbs CO2/year
<input type="checkbox"/>		RARL-036J*	RCHL-36A*	RGGD-10?ZCM?	551256	15.80	12.50	34800	\$553.44/year 4947 lbs CO2/year
<input type="checkbox"/>		RARL-060J*	RCHL-60A*	RGGD-09?ZCM?	551225	13.85	10.50	54500	\$562.70/year 5030 lbs CO2/year
<input type="checkbox"/>		RARL-048J*	RCHL-48A*	RGGD-09?ZCM?	551223	14.50	10.90	45000	\$770.08/year 6884 lbs CO2/year
<input type="checkbox"/>		RARL-036J*	RCHL-36A*	RGGD-09?ZCM?	551174	15.40	12.30	34600	\$656.90/year 5872 lbs CO2/year
<input type="checkbox"/>		RASL-036J*	RCHL-36A*	RGGD-09?ZCM?	551251	15.80	12.50	34800	\$553.44/year 4947 lbs CO2/year
<input type="checkbox"/>		RASL-036J*	RCHL-36A*	RGGD-09?ZCM?	551251	15.80	12.50	34800	\$562.70/year 5030 lbs CO2/year



Step 2 - Set Up Baseline Comparisons

- Adjust Fuel Rates to local costs
- Select System Types and Cooling/Heating Efficiencies of System to be replaced

Current Proposal | List Proposals | Preferences | About | Logout

Systems | Economics | Details | Weather | **Baselines** | Save As Default | Print | Email

Base System

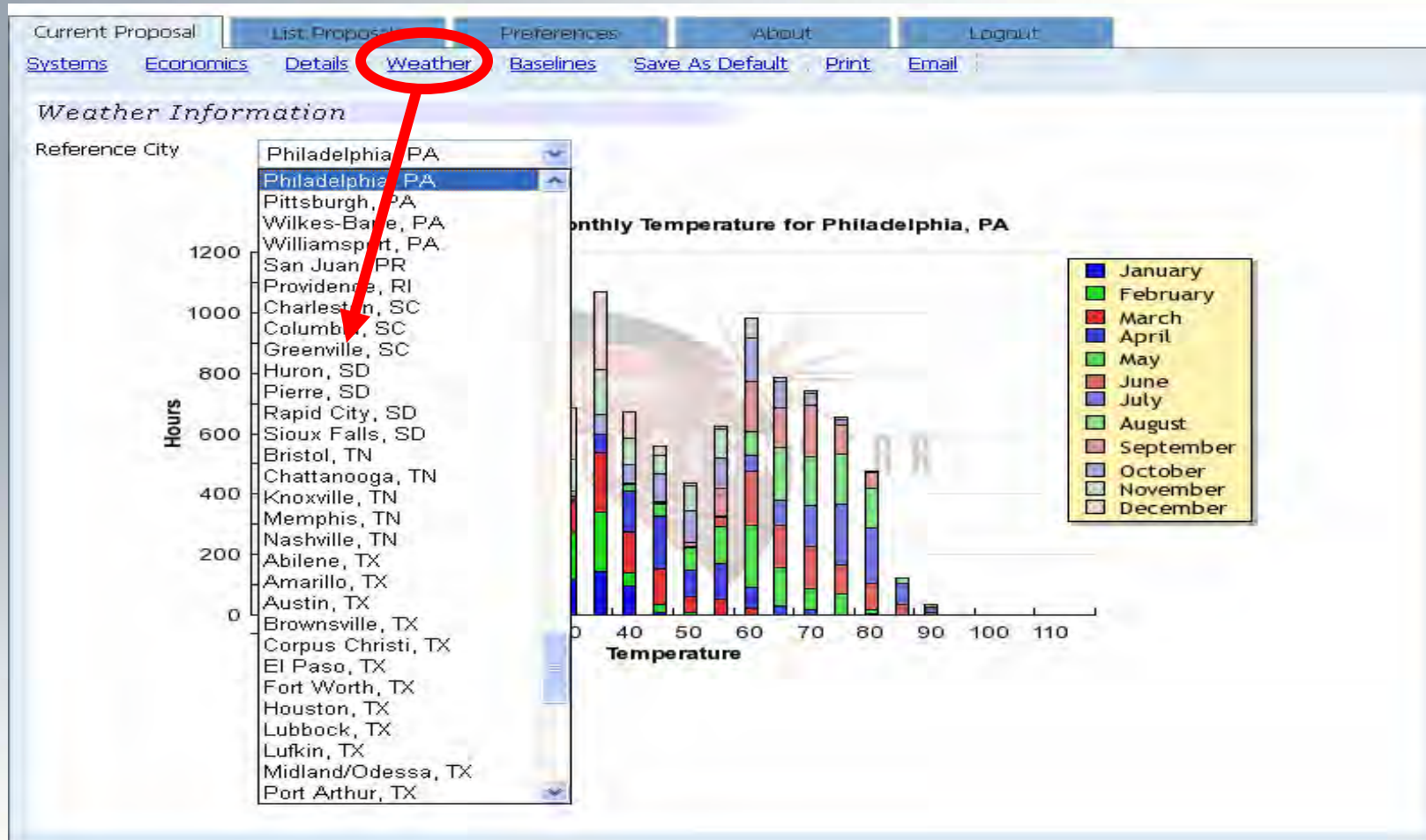
Fuel Rates		System Type
Natural Gas Rate	<input type="text" value="1.51"/>	Cooling Type
Propane Gas Rate	<input type="text" value="2.50"/>	<input type="text" value="Air Conditioner"/>
Fuel Oil Rate	<input type="text" value="2.29"/>	Heating Type
Winter Electricity Rate	<input type="text" value="0.15"/>	<input type="text" value="Natural Gas"/>
Summer Electricity Rate	<input type="text" value="0.15"/>	

Cooling	Heating	Hot Water
SEER	HSPF	Usage (gallons/day)
<input type="text" value="6.00"/>	<input type="text" value="6.00"/>	<input type="text" value="60"/>
	AFUE	Water Heating Type
	<input type="text" value="60"/>	<input type="text" value="None"/>
	Cut-Off Temperature	Heater Efficiency
	<input type="text" value="35"/>	<input type="text" value="90"/>
		Design Temperature Difference
		<input type="text" value="85"/>



Step 3 - Set Local Weather

Select your city/area from the drop-down box – By making this selection, DesignStar automatically knows the number of cooling/heating load hours and average monthly temperatures for comparison calculations





Step 4 – Use Details to Customize Your Proposal

Current Proposal | **List Proposals** | [Proposals](#) | [About](#) | [Logout](#)

[Systems](#) | [Economics](#) | **Details** | [Weather](#) | [Baselines](#) | [Save As Default](#) | [Print](#) | [Email](#)

Proposal Information

Title

Customer Information

First Name

Last Name

Address

Address Line 2

City

State

Zip

Phone

Customer Fax

Customer Email

Proposal Display Information

Display Address 1

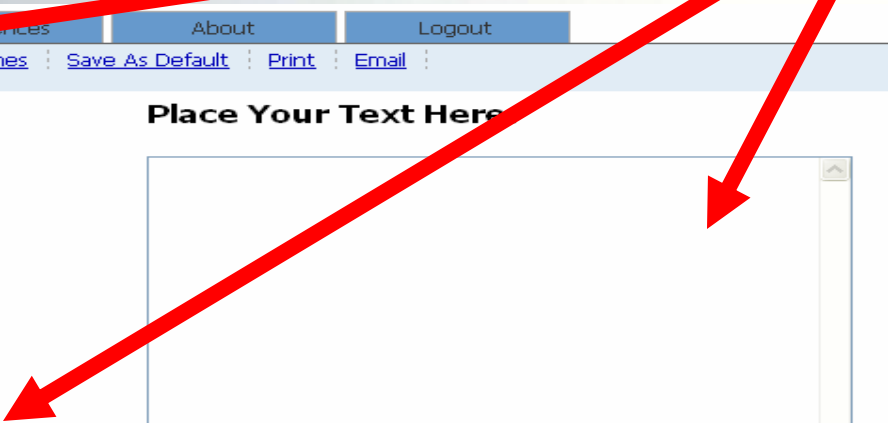
Display Address 2

Display City

Display State

Display Zip

Place Your Text Here





Step 5 - Save As Default

After setting your baselines, weather, and proposal details, you may “Save as Default”. Until changed, these default settings will appear on each proposal

You may set up multiple defaults for different comparison needs

Current Proposal | List Proposals | Preferences | About | Logout

Systems | Economics | Details | Weather | Baselines | **Save As Default** | Print | Email

Base System

Fuel Rates

Natural Gas Rate	<input type="text" value="1.51"/>
Propane Gas Rate	<input type="text" value="2.50"/>
Fuel Oil Rate	<input type="text" value="2.29"/>
Winter Electricity Rate	<input type="text" value="0.15"/>
Summer Electricity Rate	<input type="text" value="0.15"/>

System Type

Cooling Type	<input type="text" value="Air Conditioner"/>
Heating Type	<input type="text" value="Natural Gas"/>

Cooling	Heating	Hot Water
SEER <input type="text" value="6.00"/>	HSPF <input type="text" value="6.00"/>	Usage (gallons/day) <input type="text" value="60"/>
	AFUE <input type="text" value="60"/>	Water Heating Type <input type="text" value="None"/>
	Cut-Off Temperature <input type="text" value="35"/>	Heater Efficiency <input type="text" value="90"/>
		Design Temperature Difference <input type="text" value="85"/>




Step 6 - System Selection

You may now begin system selection

Current Proposal | List Proposals | Preferences | About | Logout

Systems | Economics | Details | Weather | Baselines | Save As Default | Print | Email

Drag units here to add to this system



Air Conditioner ▼

ARI Reference Number:

Outdoor Model Number:

Indoor Model Number:







Furnace Model Number:

SEER: to

EER: to

Cooling Capacity: to

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Next >>

		Model Number	Indoor Model Number	Furnace Model Number	ARI Reference Number	SEER	EER	Cooling Capacity	Savings
+		RARL-060J*	RCHL-60A*	RGPL-07?BRQ?	551166	15.20	11.65	55000	\$846.35/year 7566 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-12?RCM?	551226	13.95	10.65	55000	\$787.02/year 7035 lbs CO2/year
+		RARL-048J*	RCHL-48A*	RGGD-12?RCM?	551170	14.65	11.05	45000	\$664.40/year 5939 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-10?2CM?	551160	13.75	10.40	54500	\$763.40/year 6824 lbs CO2/year
+		RARL-048J*	RCHL-48A*	RGGD-10?2CM?	551211	14.50	10.75	44500	\$641.97/year 5739 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-10?2CM?	551170	13.40	10.30	54500	\$763.40/year 6824 lbs CO2/year




Step 6 - System Selection

Current Proposal | List Proposals | Preferences | About | Logout

Systems | Economics | Details | Weather | Baselines | Save As Default | Print | Email

Drag units here to add to this system



Air Conditioner

Air Conditioner

Heat Pump

Unitary Large Equipment

Furnace

Accessories







Alternative-Match Air Conditioner

Alternative-Match Heat Pump

Single-Package Air Conditioner

Single-Package Heat Pump

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 Next >>

		Model Number	Indoor Model Number	Furnace Model Number	ARI Reference Number	SEER	EER	Cooling Capacity	Savings
+		RARL-060J*	RCHL-60A*	RGPL-07?BRQ?	551166	15.20	11.65	55000	\$846.35/year 7566 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-12?RCM?	551226	13.95	10.65	55000	\$787.02/year 7035 lbs CO2/year
+		RARL-048J*	RCHL-48A*	RGGD-12?RCM?	551170	14.65	11.05	45000	\$664.40/year 5939 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-10?ZCM?	551160	13.75	10.40	54500	\$763.40/year 6824 lbs CO2/year
+		RARL-048J*	RCHL-48A*	RGGD-10?ZCM?	551211	14.50	10.75	44500	\$641.87/year 5739 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-10?ZCM?	551170	13.40	10.30	54500	\$753.44/year 6824 lbs CO2/year

- From the system pull-down, select the desired system type
- You may add accessory items and Protection Plus Extended Warranties
- System Selection Data is from the ARI & GAMA Data Base




Step 6 - System Selection

Current Proposal | List Proposals | Preferences | About | Logout

Systems | Economics | Details | Weather | Baselines | Save As Default | Print | Email

Drag units here to add to this system



Air Conditioner

ARI Reference Number:

Outdoor Model Number:

Indoor Model Number:







Furnace Model Number:

SEER: to

EER: to

Cooling Capacity: to

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 Next >>

		Model Number	Indoor Model Number	Furnace Model Number	ARI Reference Number	SEER	EER	Cooling Capacity	Savings
+		RARL-060J*	RCHL-60A*	RGPL-077BRQ?	551166	15.20	11.65	55000	\$846.35/year 7566 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-12?RCM?	551226	13.95	10.65	55000	\$787.02/year 7035 lbs CO2/year
+		RARL-048J*	RCHL-48A*	RGGD-12?RCM?	551170	14.65	11.05	45000	\$664.40/year 5939 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-10?ZCM?	551160	13.75	10.40	54500	\$763.40/year 6824 lbs CO2/year
+		RARL-048J*	RCHL-48A*	RGGD-10?ZCM?	551211	14.50	10.75	44500	\$641.97/year 5739 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-10?ZCM?	551170	15.40	12.30	54500	\$664.40/year 5939 lbs CO2/year

- If you know model numbers or size and desired efficiency, you may enter to expedite your search

- As criteria is entered, DesignStar will narrow down your systems search



Step 6 - System Selection


2 ways to select system components

1. Click the “+” sign – units will automatically appear in the box above
2. Or, drag the unit photo to the box

Current Proposal | List Proposals | Preferences | About | Logout

Systems | Economics | Details | Weather | Baselines | Save As Default | Print | Email

Drag units here to add to this system



Air Conditioner ▼

ARI Reference Number:

Outdoor Model Number:

Indoor Model Number:







Furnace Model Number:

SEER: to

EER: to

Cooling Capacity: to

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 Next >>

	Model Number	Indoor Model Number	Furnace Model Number	ARI Reference Number	SEER	EER	Cooling Capacity	Savings	
+		RARL-060J*	RCHL-60A*	RGPL-07?BRQ?	551166	15.20	11.65	55000	\$846.35/year 7566 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-12?RCM?	551226	13.95	10.65	55000	\$787.02/year 7035 lbs CO2/year
+		RARL-048J*	RCHL-48A*	RGGD-12?RCM?	551170	14.65	11.05	45000	\$664.40/year 5939 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-10?ZCM?	551160	13.75	10.40	54500	\$763.40/year 6824 lbs CO2/year
+		RARL-048J*	RCHL-48A*	RGGD-10?ZCM?	551211	14.50	10.75	44500	\$641.97/year 5739 lbs CO2/year
+		RARL-060J*	RCHL-60A*	RGGD-10?ZCM?	551176	15.40	12.30	54600	\$652.44/year 5739 lbs CO2/year



Step 6 - System Selection

•After a selection has been made, it will appear in the box as shown

•You may now add accessories or move on to the **“Economics”** link

The screenshot displays the Rheem software interface for system selection. At the top, there are navigation tabs: "Current Proposal", "List Proposals", "Preferences", "About", and "Logout". Below these are secondary tabs: "Systems", "Economics", "Details", "Weather", "Baselines", "Save As Default", "Print", and "Email".

The main content area is divided into two sections. On the left, a table lists equipment models with columns for Model Number, Indoor Model Number, Furnace Model Number, EER, SEER, Capacity, and Savings. A red arrow points from the text on the left to this table. On the right, a form titled "Air Conditioner" allows for input of ARI Reference Number, Outdoor Model Number, Indoor Model Number, Furnace Model Number, SEER (with a dropdown set to 16), EER, and Cooling Capacity (with a dropdown set to 4000).

Below the main content area, a detailed table lists various equipment models with the following columns: Model Number, Indoor Model Number, Furnace Model Number, ARI Reference Number, SEER, EER, Cooling Capacity, and Savings. The table includes several rows of data, each with a plus sign icon to its left.

	Model Number	Indoor Model Number	Furnace Model Number	ARI Reference Number	SEER	EER	Cooling Capacity	Savings
+	RARL-048J*	RBHM-25J*+RCQD-4824A*		551183	16.00	12.60	47500	\$772.09/year 6902 lbs CO2/year
+	RARL-036J*	RCFM-H*4821A*	RGFD-09?ZCM?	1155894	16.00	12.80	36600	\$600.99/year 5372 lbs CO2/year
+	RARL-036J*	RCFM-H*4821A*	RGGD-09?ZCM?	1155902	16.00	12.75	36600	\$599.49/year 5359 lbs CO2/year
+	RARL-036J*	RCFM-H*4821A*	RGGD-10?ZCM?	1155904	16.00	12.75	36600	\$599.49/year 5359 lbs CO2/year
+	RARL-036J*	RCFM-H*4821A*	RGJD-09?ZCM?	1155910	16.00	12.75	36600	\$599.49/year 5359 lbs CO2/year
+	RARL-036J*	RCFM-H*4821A*	RGJD-10?ZCM?	1155912	16.00	12.75	36600	\$599.49/year 5359 lbs CO2/year



Step 7 - Economics

Input the specific numbers for your proposal in the 9 boxes

As you enter the information, DesignStar will calculate system costs, monthly, and lifetime savings

Current Proposal | **Best Proposal** | Preferences | About | Help

Systems | **Economics** | Details | Weather | Baselines | Save As Default | Print | Email

New System Investment:

Base System Investment (Repairs):

Rebates and Incentives:

Loan Amount:

Loan Interest Rate (%):

Loan Term (months):

Fuel Escalation Rate (%):

System Lifetime:

Residual Value:

Net System Investment: \$6900.00

Est. Lifetime Savings: **\$9578.23**
Est. Lifetime CO2 Savings: **53728 lbs/co2**

Monthly Loan Payment: **\$69.63**
Avg. Monthly Savings: **\$79.82**
Net Avg. Monthly Savings: **\$10.18**

First-Year ROI: **8.710%**

Year	Total Savings	CO2 Savings (lbs)
1	\$600.99	8
2	\$1262.08	16
3	\$1989.28	24
4	\$2789.19	33
5	\$3669.10	41
6	\$4637.00	49
7	\$5701.69	57
8	\$6872.85	66
9	\$8161.12	74
10	\$9578.23	82

System Comparison

Cumulative Savings



Step 8 - Print, Save, or Email Proposal

Current Proposal | [List Proposals](#) | [Preferences](#) | [About](#) | [Logout](#)

[Systems](#) | [Economics](#) | [Details](#) | [Weather](#) | [Baselines](#) | [Save As Default](#) | [Print](#) | [Email](#)

New System Investment:

Loan Amount:

Fuel Escalation Rate (%):

Base System Investment (Repairs):

Loan Interest Rate (%):

System Lifetime:

Rebates and Incentives:

Loan Term (months):

Residual Value:

Net System Investment: \$6900.00

Est. Lifetime Savings: **\$9578.23**
Est. Lifetime CO2 Savings: **53728 lbs/co2**

Monthly Loan Payment: **\$69.63**
Avg. Monthly Savings: **\$79.82**
Net Avg. Monthly Savings: **\$10.18**

First-Year ROI: **8.710%**

Year	Total Savings	CO2 Savings (lbs)
1	\$600.99	8
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5	\$3669.10	41
6	\$4637.00	49
7	\$5701.69	57
8	\$6872.85	66
9	\$8161.12	74
10	\$9578.23	82

System Comparison

System	Cost (\$)
Base System	~\$7500
New System	~\$6900

Cumulative Savings

Year	Cumulative Savings (\$)
1	600.99
2	1262.08
3	1989.28
4	2789.19
5	3669.10
6	4637.00
7	5701.69
8	6872.85
9	8161.12
10	9578.23



Step 8 - Print, Save, or Email Proposal

Select the desired option after Adobe Acrobat Reader opens

Current Proposal | List Proposals | Preferences | About | Logout

Systems | Economics | Details | Weather | Baselines | Save As Default | Print | Email

New System Investment: 7500.00
Base System Investment (Repairs): 400.00
Rebates and Incentives: 200.00

Loan Amount: 3500.00
Loan Interest Rate (%): 7.20
Loan Term (months): 60

Fuel Escalation Rate (%): 10.00
System Lifetime: 10
Residual Value: 1000.00

Net System Investment: \$6900.00

Est. Lifetime Savings: \$9578.23
Est. Lifetime CO2 Savings: 5372 lbs

Year	Total Savings	CO2 Savings (lbs)
1	\$600.99	8
2	\$1262.08	16
3	\$1989.28	24
4	\$2789.19	33
5	\$3669.10	41
6	\$4637.00	49
7	\$5701.69	57
8	\$6872.85	66
9	\$8161.12	74
10	\$9578.23	82

File Download

Do you want to open or save this file?

Name: proposal.pdf
Type: Adobe Acrobat 7.0 Document, 3.34 MB
From: rheem.virtualhvac.com

Open Save Cancel

While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. [What's the risk?](#)



Step 9 - LIST PROPOSALS

Current Proposal | List Proposals | Preferences | About | Logout

[View All](#) | [New Proposal](#)

New System Investment	<input type="text" value="7500.00"/>	Fuel Escalation Rate (%)	<input type="text" value="3500.00"/>
Base System Investment (Repairs)	<input type="text" value="400.00"/>	Loan Interest Rate (%)	<input type="text" value="7.20"/>
Rebates and Incentives	<input type="text" value="200.00"/>	Loan Term (months)	<input type="text" value="60"/>
		System Lifetime	<input type="text" value="10"/>
		Residual Value	<input type="text" value="1000.00"/>

Net System Investment: \$6900.00

Est. Lifetime Savings: **\$9578.23**
Est. Lifetime CO2 Savings: **53728 lbs/co2**

Monthly Loan Payment: **\$69.63**
Avg. Monthly Savings: **\$79.82**
Net Avg. Monthly Savings: **\$10.19**

First-Year ROI: **8.710%**

- You can view, review, and save all proposals for future reference

- The proposals will be listed by date/time created and name information listed on "Details" Section

Year	Total
1	\$600
2	\$126
3	\$198
4	\$278
5	\$366
6	\$463
7	\$570
8	\$687
9	\$816
10	\$957

Current Proposal | List Proposals | Preferences | About | Logout

[View All](#) | [New Proposal](#)

	Title	Customer First Name	Customer Last Name	Created	
+ -	City Hall Proposal	John	Street	2007-11-14 14:01:47	
+ -	City Hall Proposal	John	Street	2007-11-14 16:35:42	