2012-2013 Business New Construction and Tenant Improvement Program

Eligibility

- Roseville Electric's Business New Construction and Tenant Improvement program is available to customers with a valid Roseville Electric business account.
- This program has a limited budget, funds are not guaranteed. Reservations will be accepted on a first-come, first-served basis.
- This program will run until all funds are reserved.
- Rebates have a cap of $67,500 for the owner and $22,500 for the designer for each project site. Actual rebate levels will vary based on timing of application:
  - Owner – up to $450/KW reduced
  - Designer – up to $150/KW reduced

Requirements

- Rebate items must be installed at the location listed on the application.
- Project must be permitted and built under current Title 24 requirements.
- In no case will the utility pay more than 100% of the actual net purchase price of the projects material cost.
- Roseville Electric reserves the right to pre and post inspections of the customer facility.
- All equipment must be new.
- Installing contractors must follow proper disposal and recycling procedures with discarded materials. Resale of removed equipment is prohibited.
- Request for Payment must be submitted and finalized within six (6) months of receiving an occupancy permit from the City of Roseville.

Reserving Funds for Your Project

This step must be completed before the materials are purchased and work has begun.

- Complete and submit the RESERVATION REQUEST FORM A.
- Complete and submit the related worksheet for the program which you are applying - Forms A1 thru A4
- Attach documentation as required in the technical requirements section, as listed in forms A1 thru A4.
- Submit complete package, as required, to:
  - Roseville Electric, Business Rebates
    2090 Hilltop Circle
    Roseville, CA 95747 or
  - Scan and send PDF file to:
    elecbizrebates@roseville.ca.us
- Once approved and the reservation is confirmed by Roseville Electric the project may begin.

Request Rebate Payment

After the project installation is complete:

- Submit any changes on the appropriate worksheet, A1 thru A4, include required supporting documentation.
- Complete and submit original PAYMENT REQUEST FORM B, with signatures to:
  - Roseville Electric, Business Rebates
    2090 Hilltop Circle
    Roseville, CA 95747
- Roseville Electric will review the package and perform necessary audits to verify program compliance.
- Once approved, rebate payments may take 6 - 8 weeks

For more information please call Roseville Electric at (916) 79-POWER (797-6937)

July 2012

CITY OF ROSEVILLE CALIFORNIA
Roseville Electric

Reservation Request Form
2012-2013 Business NC and TI Program

A

CUSTOMER INFORMATION	
Business Name:	RE Account # (if any):
Business Street Address:	
City | State | Zip:	
Contact Name:	Phone:
Contact Title:	Email:
Business Type:	Gross Square Feet:
Expected Start Date:	Projected Completion Date:

DESIGN CONSULTANT INFORMATION	
Designer Consultant Name	
Design Consultant Address	
City | State | Zip	
Contact Name	Phone
Contact Title	Email

PROJECT SUBMITTED UNDER THE FOLLOWING PROGRAMS (CIRCLE THOSE THAT APPLY):	
Lighting – Fill Out Form A1	Envelope – Fill Out Form A3
Mechanical – Fill Out Form A2	Whole Building – Fill Out Form A4

LIGHTING CONTRACTOR INFORMATION	
Lighting Contractor Name	
Contact Name	Phone
Contact Title	Email

ENVELOPE CONTRACTOR INFORMATION	
Envelope Contractor Name	
Contact Name	Phone
Contact Title	Email

MECHANICAL CONTRACTOR INFORMATION	
Mechanical Contractor Name	
Contact Name	Phone
Contact Title	Email

REBATE CALCULATION	
Lighting Systems Savings (KW) =	Owner Incentive Rate = $
Envelope Systems Savings (KW) =	Owner's Total Incentive = $
Mechanical Systems Savings (KW) =	
Whole Building Systems Savings (KW) =	Designer Incentive Rate = $
Total Project Savings (KW) =	Designer's Total Incentive = $

*** Incentive Rate and Total Incentive to be filled in by Utility Only**

For more information please call Roseville Electric
at (916) 79-POWER (797-6937)

July 2012

CITY OF ROSEVILLE CALIFORNIA
Roseville Electric

Lighting Worksheet
2012-2013 Business NC and TI Program

A1

To Qualify:
The documented lighting savings must be at least 10% better than the current Title 24 prescriptive allowance.

- Fill out rows "A" thru "H" in the table below

Required Support Documentation

- A completed Reservation Request Form A
- Signed Title 24 Compliance – Lighting - A Complete Set
- Manufacturer's specification sheet for any product not using 'default' values on Title 24
- A complete set of plans

CUSTOMER INFORMATION	
Business Name:	RE Account Number (if any):
Business Street Address:	
City | State | Zip:	

LIGHTING REBATE WORKSHEET			
A.	Installed Lighting Power		**LTG-1C (page 2 of 4)**
B.	Building Total Control Credit Watts		**LTG-2C (page 2 of 2)**
C.	Adjusted Actual Watts		**= Line A – Line B**
D.	Allowed Watts		**LTG-3C**
E.	Savings, Watts		**= Line D – Line C**
F.	Savings, KW		**= Line E / 1,000**
G.	Savings, Percent		**= Line E / Line D**
H.	Annual Operating Hours		
I.	Savings, kWh		**= Line F x Line H**

Notes:

Line A – Enter the total actual installed lighting power (interior only), excluding portable lighting and before control credits. Enter sum of conditioned and unconditioned space.

Line D – Use the complete building method or the area category method. The tailored method is NOT allowed.

Envelope Worksheet
2012-2013 Business NC and TI Program

A2

To Qualify:

- Overall heat gain must be at least 10% better than standard, as calculated using the current Title 24 overall envelope approach.
- Heat gain due to any of the following components must be no worse than 10% higher than standard; 1) conduction, 2)radiation thru opaque envelope, or 3) radiation thru fenestration
- Overall heat loss is less than or equal to standard as calculated using the current Title 24 envelope approach.
- Cooling must be provided by electrically driven refrigeration equipment, evaporative cooling or natural ventilation
- Fill out rows "A" thru "H" in the table below

Required Support Documentation

- A completed Reservation Request Form A
- Signed Title 24 Compliance – Envelope - A Complete Set
- Manufacturer's specification sheet for any product not using 'default' values on Title 24
- A complete set of plans

CUSTOMER INFORMATION	
Business Name:	RE Account Number (if any):
Business Street Address:	
City | State | Zip:	

ENVELOPE REBATE WORKSHEET					
		Standard	Proposed	Savings	
A.	Conduction, Btu/hr				
B.	Radiation, opaque surfaces, Btu/hr				
C.	Radiation, fenestration surfaces, Btu/hr				
D.	Overall Heat Gain, Btu/hr				**= Line A + Line B + Line C**
E.	Equivalent cooling electric demand, KW				**= Line D / 10,000**
F.	Savings, Percent				**= Row E Savings / Row E Standard**
G.	Annual Operating Hours				
H.	Savings, kWh				**Line E x Line G**

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July 2012

CITY OF ROSEVILLE CALIFORNIA

Roseville Electric

Mechanical Worksheet (1 of 4)
2012-2013 Business NC and TI Program

A3

To Qualify:
The documented cooling savings must be at least 10% better than the current Title 24 prescriptive allowance.

- Fill out required rows, based on size and type of proposed equipment.

Required Support Documentation

- A completed Reservation Request Form A
- Signed Title 24 Compliance – Mechanical - A Complete Set
- Manufacturer's specification sheet for any product not using 'default' values on Title 24
- A complete set of plans

CUSTOMER INFORMATION	
Business Name:	RE Account Number (if any):
Business Street Address:	
City | State | Zip:	

Mechanical Rebate Worksheet – Packaged DX Systems up to 25 tons cooling capacity			
A.	Net Cooling Capacity (kbtu/hr)		**Manufactured rated net cooling capacity at ARI rate conditions**
B.	EER, Standard		**Title 24, Table 112-A: Cooling Capacity less than 65,000 btu use the following EER values:** *** 9.2 for split systems with 3-phase power** *** 8.8 for packaged systems with 3-phase power** *** 10.5 for split system & packaged systems with 1-phase power**
C.	EER, Proposed		**Manufacturer's test results at ARI rating conditions**
D.	KW, Standard		**= Line A / Line B**
E.	KW, Proposed		**= Line A / Line C**
F.	KW, Savings		**= Line D – Line E**
G.	KW Savings, Percentage		**= Line F / Line D**
H.	Annual Operating Hours		
I.	Savings, kWh		**= Line F x Line H**

Mechanical Worksheet (2 of 4)
2012-2013 Business NC and TI Program

A3

Mechanical Rebate Worksheet – Packaged DX Systems larger than 25 tons cooling capacity			
A.	Net Cooling Capacity (kbtu/hr)		**Manufactured rated net cooling capacity at ARI rate conditions**
B.	EER, Standard		**Title 24, Table 112-A: Cooling Capacity less than 65,000 btu use the following EER values:** *** 9.2 for split systems with 3-phase power** *** 8.8 for packaged systems with 3-phase power** *** 10.5 for split system & packaged systems with 1-phase power**
C.	EER, Proposed		**Manufacturer's test results at ARI rating conditions**
D.	Supply Air Flow, proposed (cfm)		**Design Value**
E.	Fan motor size, proposed (hp)		**Design Value, Total Supply Fans + Return Fans + Exhaust Fan (HP). Does not include Condenser Fans**
F.	KW, Standard		**For Constant Air Volume Systems** **= Line A / (Line B x 1.2) + (Line D x 0.00080)** **For Variable Air Volume Systems** **= Line A / (Line B x 1.2) + (Line D x 0.00125)**
G.	KW, Proposed		**= (Line A / Line C) + 0.85 x Line E**
H.	KW, Savings		**= Line F – Line G**
I.	KW Savings, Percentage		**= Line H / Line F**
J.	Annual Operating Hours		
K.	Savings, kWh		**= Line H x Line J**

Mechanical Worksheet (3 of 4)
2012-2013 Business NC and TI Program

A3

Mechanical Rebate Worksheet – For Systems served by Chilled Water			
A.	Cooling Load, proposed kbtu/hr		**See Note 1, Below**
B.	Supply Air Flow, proposed (cfm)		**See Note 2, Below**
C.	Chiller Efficiency, Standard (COP)		**See Note 3, Below**
D.	Chiller Efficiency, Proposed (KW/Ton)		**See Note 4, Below**
E.	Cooling Tower, Standard (gpm/hp)		**See Note 5, Below**
F.	Cooling Tower Fan Motor, Proposed (hp)		**See Note 6, Below**
G.	Chilled Water Pumps, Standard (KW/gpm)		**See Note 7, Below**
H.	Chilled Water Pump, Proposed (hp)		**See Note 8, Below**
I.	Condenser Water Pumps, standard (KW/gpm)		**See Note 9, Below**
J.	Condenser Water Pump, Proposed (hp)		**See Note 10, Below**
K.	Fans, Standard (KW/cfm)		**See Note 11, Below**
L.	Fan Motor Size (hp)		**See Note 12, Below**
M.	KW, Chiller, Standard		**= Line A / (3.413 x Line C)**
N.	KW, Cooling Tower, Standard		**= 0.2 x Line A / Line E**
P	KW, CHW Pumps, Standard		**= 0.2 x Line A x Line G**
Q.	KW, CW Pumps, Standard		**= 0.2 x Line A x Line I**
R.	KW, Fans, Standard		**= Line B x Line K**
S.	KW, Total Standard		**= Line M + Line N + Line P + Line Q + Line R**
T.	KW, Chiller, Proposed		**= Line A x Line D / 12**
U.	KW, Cooling Tower, Proposed		**= 0.75 x Line F**
V.	KW, CW Pumps, Proposed		**= 0.75 x Line H**
W.	KW, CHW Pumps, Proposed		**= 0.75 x Line J**
X.	KW, Fans, Proposed		**= 0.75 x Line L**
Y.	KW, Total, Proposed		**= Line T + Line U + Line V + Line W + Line X**
Z.	KW, Savings		**= Line S – Line Y**
AA.	Savings, Percent		**= Line Z / Line S**
AB.	Annual Operating Hours		
AC.	Savings, kWh		**= Line Z x Line AB**

Mechanical Worksheet (4 of 4)
2012-2013 Business NC and TI Program

A3

Notes (for systems served by chilled water):

1. Design value. Sum of cooling coil capacity for all systems served by the chilled water plant.
2. Design value. Sum of air flows for multiple systems served by the chilled water plant.
3. Title 24, Section 112 (a), Table 112-D
4. Manufacturer's test data, at ARI Conditions
5. Title 24, Section 112(A), Table 112-G
6. Design value. Total cooling tower fan motor nameplate horsepower.
7. Fixed at 0.022 gpm/KW per ASHRAE 90.1-2004
8. Design Value. Total Motor nameplate horsepower for pumps running at design conditions.
9. Fixed at 0.019 KW/gpm per ASHRAE Standard 90.1-2004
10. Design Value. Total Motor nameplate horsepower for pumps running at design conditions.
11. Enter 0.0008 for constant air volume systems and 0.00125 for variable air volume systems.
12. Design value. Sum of total nameplate horsepower for supply, return and exhaust fans. Excludes condenser fans.

Whole Building Worksheet
2012-2013 Business NC and TI Program

A4

To Qualify:
The documented cooling savings must be at least 10% better than the current Title 24 prescriptive or performance allowance.

- From Title 24 Forms Util-1 and Util 2

Required Support Documentation

- A completed Reservation Request Form A
- Signed Title 24 Compliance – A Complete Set, including Util-1 and Util-2
- Manufacturer's specification sheet for any product not using 'default' values on Title 24
- A complete set of plans

CUSTOMER INFORMATION	
Business Name:	RE Account Number (if any):
Business Street Address:	
City | State | Zip:	

	Title 24 Baseline	Proposed Design	Savings	% Savings
Lighting, KWH				
Cooling, KWH				
Fans, KWH				
Pumps, KWH				
Plug Load, KWH				
Process, KWH				
Other, KWH				
Total, KWH				

	Title 24 Baseline	Proposed Design	Savings	% Savings
Lighting, KW				
Cooling, KW				
Fans, KW				
Pumps, KW				
Plug Load, KW				
Process, KW				
Other, KW				
Total, KW				

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July 2012

CITY OF ROSEVILLE CALIFORNIA
Roseville Electric

Payment Request Form
2012-2013 Business NC and TI Program

B

CUSTOMER INFORMATION	
Customer Name:	Project Address:
RE Account Number:	Project Completion Date:

Customer to Initial:

_____ A copy of the itemized project invoice attached

_____ I received warranty information from the contractor for products installed on this project

_____ I have the contractors contact information for warranty questions or issues

_____ The equipment on this project was installed and is operation satisfactorily

_____ I am satisfied with the lighting levels from this lighting retrofit project

Rebate Payment Instructions (select one):

_____ Send customer's check to customer's installation address

_____ Send customer's check to:

Company Name _____

Mailing Address _____

City | State | Zip _____

Customer Project Reference _____

TERMS AND CONDITIONS

I have read and understand the program requirements set forth in these application forms and agree to abide by these requirements. I have attached the required documentation for the program under which I am applying. I certify that the information provided on this application and associated required documentation is true and correct.

As a qualified Roseville Electric customer, I certify that I purchased and installed the indicated energy-saving products for use in my business facility and not for resale, and that all equipment installed is new, not rebuilt, remanufactured, or used equipment. I agree to participate in project evaluation surveys conducted in person, by phone or in writing; and to mandatory project inspections by Roseville Electric, and/or their designees for installed efficiency measures verification and evaluation.

Additionally, as a program participant I agree to allow Roseville Electric to release my company business name and my contact name as a Roseville Electric business customer that has benefitted from receiving rebate funds for energy efficiency improvements.

I agree that the selection, purchase, and ownership of the equipment are my sole responsibility. Roseville Electric makes no representation as to the safety, reliability, and /or efficiency of the equipment selected or components selected to meet the programs intent.

I agree that if I cease to be a distribution customer of Roseville Electric, or I do not provide Roseville Electric with 100% of the related energy benefits for the life of the product or for a period of five (5) years from receipt of rebate, whichever comes first, I shall refund a prorated amount of the rebate dollars to Roseville Electric.

Tax Liability—you are urged to consult your tax advisor concerning the taxability of rebates. Roseville Electric is not responsible for any taxes that may be imposed on your business as a result of your receipt of this rebate. I certify that Roseville Electric's rebate influenced the purchase of a higher efficiency product than I otherwise would have purchased

.

Customer Signature _____ Date _____

Print Name _____ Title _____

FOR ROSEVILLE ELECTRIC USE ONLY				
Date Received:			Date	Auditor Name
Date Approved:		Pre-Inspection		
Refund Amount:		Post Inspection		
Total KW Saved			Total KWH Saved	

For more information please call Roseville Electric
at (916) 79-POWER (797-6937)

July 2012

CITY OF ROSEVILLE CALIFORNIA

Roseville Electric