

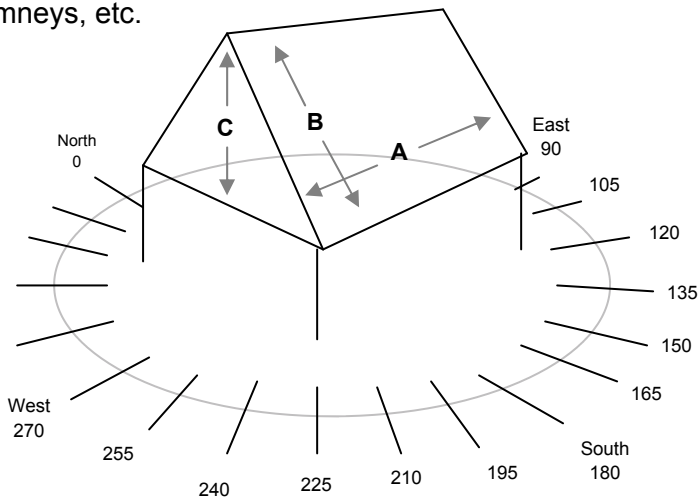
Next Generation Energy®
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 WWW.NGEUS.COM

Company Code _____

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Solar Thermal System	
CLIENT INFO	
Company:	Phone:
Main Contact:	Cell Phone:
Last Name:	Email:
First Name:	
Billing Address:	
City/State:	Zip Code:
Materials ONLY Quote:	
Materials PLUS INSTALL (from NGE certified Dealer):	
Project Address:	
City/State:	Zip Code:
Design Services Needed (\$300 min.):	
Certified Dealer:	

- Mark Location of vents, chimneys, etc.



Dimensions:

A: _____

B: _____

C: _____

Residential: _____

Commercial: _____

MOUNTING INFO

***Roof Mounting:**

Roof Orientation (magnetic south = 180): _____

Type of Roof: Asphalt ___ Tile ___ Flat Tile ___ Tar & Gravel ___ Other ___

Pitch of Roof: _____ Normal—easily walked over (18-20 degree slope)

_____ Steep—cannot be safely walked on

_____ Low—less than 18 degrees

_____ Flat—very slight to no apparent pitch

Roof Age: _____ Rafter Spacing: 12" ___ 14" ___ 16" ___ 19.2" ___ 24" ___ 48" ___

Rafter Material: Wood ___ Metal ___

Roof Condition: Good ___ Fair ___ Poor ___

Snow Load Zone: _____ Wind Load Zone: _____

Please note any shading issues from nearby trees, poles, or other structures: _____

Number of Stories:

Single ___ Two Story ___

Other ___ Please Explain _____

***Ground Mounting:**

Distance from Building: _____

Other describing features that could affect the job: (*shading, swamp cooler, sky lights, trees, soil conditions, slope, terrain, etc.*)

System Information

System Type: _____ # Residents: _____

Square Footage: _____ Floor Type: _____

Natural Gas/Propane: _____

Existing Heating System (Model and Size): _____

Notes on Insulation/Windows: _____

Piping Notes: _____

Check One: New Construction _____ Existing Framed: _____ Drywalled _____

General Notes: _____

Mechanical Room

Location: _____ Size: _____

Room For Tanks?/Door way size: _____

Available?: 110 220 Existing Storage: _____

Additional Storage Needed?: _____

System model number

- NGE-116-TU NGE-124-TU
 NGE-216-TU NGE-224-TU
 NGE Flat Plate Collectors

Other: _____

Special Instructions: If the tank needs to be relocated for any of the following reasons, there is a \$200.00 minimum charge. This almost always requires a 110 voltage/220 voltage and extra pipe from the existing location to the new area.

- Heater pan required:** Heater Pans are normally required where tank leakage can damage home contents. For example: carpeting, furniture, etc. If the heater is in the utility room this is usually 4" lower than the house and no pan is required.
- Rewire 110:** If a reachable 110 volt outlet is not within four feet horizontally and vertically from the tank it will have to be rewired. If no electric tank (i.e. gas) is there, a new 220 volt line has to be run from existing breaker to water heater.
- Rewire 220:** If tank is short and/or there is a 220 volt line coming to the top of the existing tank, this 220 line has to be rewired. If no electric tank (i.e. gas) is there a new 220 volt line has to be run from existing breaker to water heater.
- Tank access is too tight.
Head room _____ Depth _____ Width _____
- Move washer and dryer Extra Charge _____

If tank remains in place, please fill out the spaces below

Head room _____ Depth _____ Width _____

Door Size _____

- Use existing T & P
- IF NOT use existing T & P. Please explain _____

Add _____ Ft.

Piping Specifications

Horizontal pipe runs _____ Ft. from tank to collector

Vertical pipe runs _____ Ft.

Special Instruction: On “non-normal” jobs special instructions should be indicated.

Example:

- A. Side utility door will be unlocked – attic access in utility.
No one home during the day.
- B. 220 line run new (gas heater) 20’
- C. Cut and/or remove shelf over existing heater. All items that might be difficult for installer to understand should be explained.-----

Collector Mounts

Flush () – on South, East, or West facing roofs with acceptable tilt angles. (16-32 degrees)

Pricing Information

To be filled out by the Installer

What is a Normal job? This will affect the price of the install.

- Tank with plenty of access and 4” below floor level elevation.
- Short run to the collector
- Single story
- Shingle roof
- 110 Volts within 4 feet of tank
- 220 Volts at existing electric heater
- Easy access to attic

What is NOT Normal?

- No convenient access to 110 Volts
- Existing Heater is gas, not electric
- The need for tank relocation
 - This usually means relocation of the 220 Volt Line
 - This usually requires relocation of the Hot and Cold water pipes and possibly the 110 volt line
- Tile Roof or Shakes
- Two Story Dwelling
- Tank in tight closet, requiring relocation (see above)
- Roof slopes greater than 28 degrees
- "Long" collector runs – over 20 feet
- Mobile homes are always "not normal"

If any job is not "normal", certain adjustments to the installation costs should be made, and adjustments should be added to the bottom line" purchase price.

Solar DHW Extra Charges Schedule

<input type="checkbox"/>	Roof Slope 28 degrees or more.....	\$ 100.00/Collector
<input type="checkbox"/>	2 nd Story Installation.....	\$ 50.00/Collector
<input type="checkbox"/>	Relocation Tank.....	\$ 200.00
<input type="checkbox"/>	Relocation Tank when new tank will go where old tank was.....	\$ 300.—
<input type="checkbox"/>	Two Tank Tie-In	\$ 150.00 min
<input type="checkbox"/>	Tile Roof.....	\$ 50.00/collector
<input type="checkbox"/>	Mobile Homes.....	Call for additional charges

NOTE:

Do not install tanks or controller outside in bad weather, except under eave or on open porch.

Never relocate tank unless absolutely necessary.

Homes with two tanks usually involve extra charges. Your preference should be to solarize both tanks. Usually the reason two tanks are there in the first place is that the house is so large that it takes too long for hot water to get to the other side of the house. Your second preference would be to solarize the tank with the most usage and super insulate both existing pipes and tank that uses less water. If homeowner economics is a problem, your third preference would be to hook both tanks together. You must explain to the homeowner that the delivery of hot water to the tank, not directly connected to solar, is going to be slow. Don't forget applicable extra charges for extra pipe runs.

Example Problem #1: The installer arrives and discovers that the collector cannot be mounted where the salesman said it would go. He simply calls the owner and gets permission to move it. DO NOT call the office, or the salesman. Much effort and time is therefore saved.

Example Problem #2: The installer does not have adequate directions to the job site, due to a new construction that has yet to be added to any maps. It is imperative that the salesman fill out the directions portion of this form. Use Left and Right and compass directions. Be as detailed as possible. This saves countless hours of lost time.

For example: Left (E) on Buffalo St to 302: right (S) to John Hall Road 1.5 miles on the W side of Street.

Payment Information

Down payment: \$ _____ CK# _____ In-
staller _____
Date ____/____/_____
Complete Cert _____ FPL: \$ _____
Other _____
Dealer _____ Sales _____
Rep _____

Explanation of charges

Please Indicate Services Received:

Gas Service:

Propane
Xcel Energy
Other: _____

Water Service:

Public
Community or Individual Well
Other: _____

Sewer Service:

Public
Septic Tank
Other: _____

Access:

Existing Driveway: _____
Restrictions (*trees, power lines, switchbacks, etc preventing crane access*): _____

Other: _____

Electrical Service:

Xcel
United Power
Estes Park
Poudre Valley REA
Longmont

Acct. #: _____

