



RESIDENTIAL SUSTAINABILITY GRANT APPLICATION

CITY OF MERRIAM-COMMUNITY DEVELOPMENT DEPARTMENT

9001 W. 62nd St., Merriam, KS 66202-2815

Phone (913) 322-5520 Fax (913)322-5505



REIMBURSEMENT WILL NOT BE MADE FOR PROJECTS STARTED PRIOR TO CITY APPROVAL

Project Address:			
Owner's Name:			
Owner's Address:			
City/State/Zip:			
Phone Number:			
Email Address:			
Single Family Residential <input type="checkbox"/>		Two Family Residential (Duplex) <input type="checkbox"/>	Other <input type="checkbox"/>
Description of energy efficiency improvements (Attach additional pages if needed or use back of form):			
Estimated Completion Date:		Estimated Cost of Improvements:	
Provide the following documentation:		Contractor Estimate (if applicable) <input type="checkbox"/>	
Property site plan (if applicable) <input type="checkbox"/>		Construction plans (if applicable) <input type="checkbox"/>	
Valid property insurance <input type="checkbox"/>		Property taxes payments are current <input type="checkbox"/>	
<p><i>By signing below, I understand the project must be completed within 120 days of the application approval date. If the project is not finished within that time, reimbursement may not occur. I also certify that to the best of my knowledge all the information that I provide is truthful and factual. Additionally, I understand that this is a City program and all application and project information may be subject to Kansas open records laws.</i></p> <p><i>I also understand that by participating in the Residential Sustainability Grant Program, I give my consent for City staff to enter my property to make inspections related to the program and that photos taken of my property can be used in City promotional materials including, but not limited to, City website, emails, newsletters, brochures, etc.</i></p>			
Owner's Signature:		Date:	
FOR CITY OFFICE USE BELOW			
Before		After	
Submittal Date		Work completed	<input type="checkbox"/>
Funding available <input type="checkbox"/>		Improvements meet city/building code	<input type="checkbox"/>
Improvements eligible <input type="checkbox"/>		After pictures	<input type="checkbox"/>
Real estate taxes current <input type="checkbox"/>		Receipts Total	<input type="checkbox"/>
Valid home insurance <input type="checkbox"/>		Completed W-9	<input type="checkbox"/>
Building permit required <input type="checkbox"/>		NOTES: Total Reimbursement: _____ 20% of _____	
Building permit issued <input type="checkbox"/>			
Rental License current <input type="checkbox"/>			
Before Pictures <input type="checkbox"/>			
Estimated reimbursement amount:		09/16/2020	
Application approval date:			
Date project to be completed:		Approved by:	

APPLICATIONS WILL NOT BE ACCEPTED PRIOR TO JAN. 4, 2021

Property owner submits application to Community Development by mail or in person at City Hall



2021 Merriam Residential Sustainability Grant Program

Goal: Encourage residents to make their homes more sustainable by improving their home's energy efficiency

Program:

- Provide a 20% reimbursement for energy saving improvements
- Total annual program amount - \$20,000
- Can be used in conjunction with Residential Exterior Improvement Grant (one project cannot be funded by both programs)
- Approved applications will be allocated funding until all program funds are expended

Eligibility:

- Non-apartment residential properties
- Minimum **\$2,500** investment by property owner
- Reimbursement amount – minimum \$500; maximum \$2,500
- Eligible improvements include, but are not limited to: Home Energy Audit (blower door audit) by certified auditor, solar power, wind power, energy efficient HVAC and/or water heater, energy efficient windows and/or doors, insulation, geothermal heating and cooling, duct sealing
- Energy saving improvements must meet the 2018 International Energy Conservation Code (IECC) – specifications are provided on a separate sheet
- The city reserves the right to determine if a proposed improvement meets program requirements
- All improvements must conform to Merriam Code
- Contractor(s) utilized to perform the improvements must have a Merriam Occupational license, and if appropriate, a Johnson County Contractor License
- Property owner must be current on all property taxes in Merriam
- Program property must be code complaint
- Property owner must provide proof of adequate property insurance
- Governmental subsidies or funds utilized for the improvements are not eligible for reimbursement

Process:

- Community Development manages the program
- Program applications will be accepted starting January 4, 2021
- Property owner submits an application to Community Development
- Applications are reviewed in the order they are received
- Work bids, **including all project specification sheets**, must be submitted prior to application approval
- The program will only reimburse the labor costs of the labor provided by a third-party contractor
- Application approval must occur prior to start of work
- Before and after photos of the project will be taken by city staff
- Property owner is responsible for ensuring that all required permits have been obtained. All permits must be in place prior to any work taking place
- Work must be completed within 120 days of application approval
- Work must be completed by October 15th
- One Residential Sustainability grant per property with same owner, per 10 years
- Only one property per owner, per year may participate in the program

Before reimbursement:

- Property owner provides at least \$2,500 in receipts
- Staff performs a post project inspection to verify project completion
- No exterior code violations are present
- Recipient must complete a W-9

[Please refer to separate sheet for specifications and requirements of improvements](#)

Residential Sustainability Grant Energy Efficiency Requirements

Windows/doors/fenestration

Skylights

Air conditioners

Furnaces

Windows/doors/fenestration:

- Fixed windows/fenestration must have a maximum U -factor of 0.38
- Operable windows/fenestration must have a maximum U -factor of 0.45
- Entrance doors must have a maximum U -factor of 0.77
- Must have a minimum SHGC (solar heat gain coefficient) of 0.40

Skylights:

- Must have a maximum U -factor of 0.50
- Must have a maximum SHGC (solar heat gain coefficient) of 0.40

Air conditioners:

- Room air conditioner casement only must have a minimum efficiency of 9.5 CEER
- Room air conditioner casement – slider must have a minimum efficiency of 10.4 CEER
- All air conditioners must comply with ANSI/AHAM RAC-1
- Heat pump

Furnaces:

- Warm-air furnaces (gas fired) must have a minimum efficiency of 80% AFUE or 80% E^c
- Warm-air furnaces (gas fired) must comply with DOE 10 CFR Part 430 or ANSI Z21.47
- Heat pump

Residential Sustainability Grant Energy Efficiency Requirements

Water- heating equipment

Water-heating equipment:

- Water heaters (electric, ≤ 12 kW) must have a required performance of $0.93 - 0.00132V$, EF (tabletop ≥ 20 gallons and ≤ 120 gallons), $0.960 - 0.0003V$, EF (resistance ≥ 20 gallons and ≤ 55 gallons), or $1.061 - 0.00168V$, EF (grid-enabled > 75 gallons and ≤ 120 gallons)
- Water heaters (electric, ≤ 12 kW) must comply with DOE 10 CFR Part 430
- Water heaters (electric, > 12 kW) must comply with ANSI Z21.10.3
- Water heaters (electric, ≤ 24 amps and ≤ 250 volts) must have a required performance of $2.057 - 0.00113V$, EF (heat pump > 55 gallons and ≤ 120 gallons)
- Water heaters (electric, ≤ 24 amps and ≤ 250 volts) must comply with DOE 10 CFR Part 430
- Storage water heaters (gas, $\leq 75,000$ Btu/h) must have a required performance of $0.675 - 0.0015V$, EF (≥ 20 gallons and < 55 gallons), or $0.8012 - 0.00078V$, EF (> 55 gallons and ≤ 100 gallons)
- Storage water heaters (gas, $\leq 75,000$ Btu/h) must comply with DOE 10 CFR Part 430
- Storage water heaters (gas, $> 75,000$ Btu/h and $\leq 155,000$ Btu/h, $< 4,000$ Btu/h/gal) must have a required performance of 80%.
- Storage water heaters (gas, $> 75,000$ Btu/h and $\leq 155,000$ Btu/h, $< 4,000$ Btu/h/gal) must comply with ANSI Z21.10.3
- Instantaneous water heaters (gas, $> 50,000$ Btu/h and $< 200,000$ Btu/h) must have a required performance of $0.82 - 0.0019V$, EF ($\geq 4,000$ (Btu/h)/gal and < 2 gal)
- Instantaneous water heaters (gas, $> 50,000$ Btu/h and $< 200,000$ Btu/h) must comply with DOE 10 CFR Part 430
- Instantaneous water heaters (gas, $\geq 200,000$ Btu/h) must have a required performance of 80%
- Instantaneous water heaters (gas, $\geq 200,000$ Btu/h) must comply with ANSI Z21.10.3

Residential Sustainability Grant Energy Efficiency Requirements

Solar

Solar:

- Solar collection systems require a building permit and must be constructed in accordance with Merriam Code
- Solar collection systems must comply with setback and location requirements
- Solar collection systems shall not exceed the greater of 150 square feet or a gross area equal to three percent of the area of the lot located behind the rear building line of the principal structure, up to a gross area of 250 square feet
- The visual impact of the solar collection system must be minimized through screening/buffering via vegetation and a neutral color scheme
- No artificial lighting may be utilized to permanently illuminate the solar collection system