burnsville
green guide

green remodeling strategies
to save you money
while improving your health
and reducing the
environmental impacts
of your home

BURNSVILLE

www.burnsville.org/sustainability

LHB

INNOVATIVE DESIGN PROCESS

SOME GREEN REMODELING STRATEGIES ARE EASY TO IMPLEMENT BY A DO-IT-YOURSELF INCLINED HOMEOWNER. OTHERS REQUIRE SPECIALIZED KNOWLEDGE AND/OR TESTING EQUIPMENT. THERE ARE MANY CONTRACTORS AND DESIGN PROFESSIONALS WITH GREEN BUILDING TRAINING TO HELP YOU IMPROVE YOUR HOME.

WATER CONSERVATION

WATER IS BECOMING A SCARCE AND EXPENSIVE RESOURCE. CONSERVE WATER IN YOUR HOME WITH UPGRADES TO YOUR FAUCETS, SHOWERHEADS, TOILETS, AND WASHING MACHINES. PLANT DROUGHT-TOLERANT LANDSCAPING TO CONSERVE WATER RESOURCES AND MAINTAIN NATURAL ACQUIFER CONDITIONS FOR FUTURE GENERATIONS.

ENERGY EFFICIENCY

ENERGY EFFICIENCY LIMITS THE HARMFUL ENVIRONMENTAL SIDE EFFECTS OF ENERGY GENERATION, DISTRIBUTION, AND CONSUMPTION AS WELL AS SAVING MONEY ON UTILITY BILLS FOR THE HOMEOWNER. COST EFFECTIVE ENERGY EFFICIENT STRATEGIES CAN BE EASILY IMPLEMENTED THROUGHOUT YOUR HOME.

COMMUNITY & SITE IMPACT

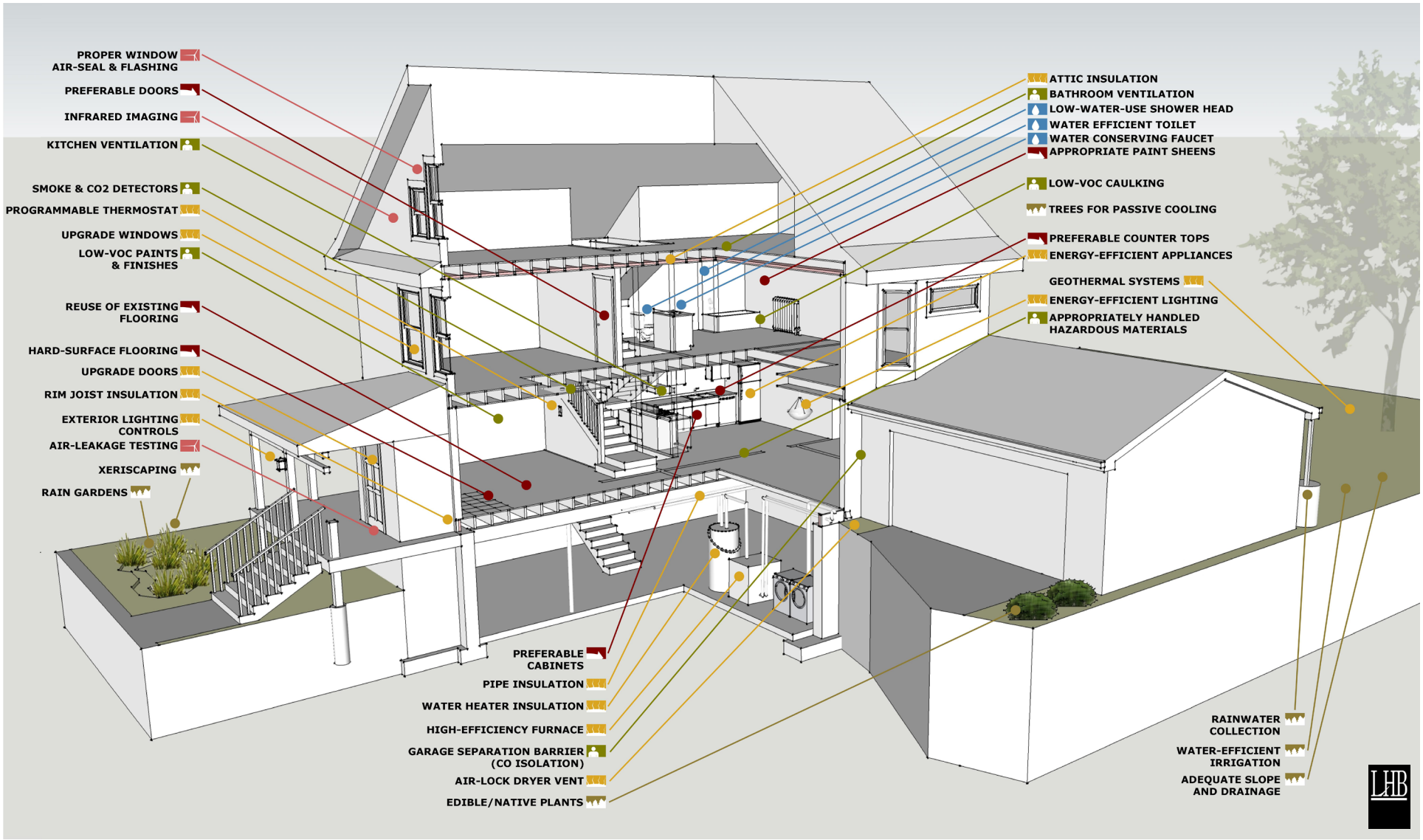
BURNSVILLE'S RAINWATER GARDENS INITIATIVE IS ONE WAY FOR HOMEOWNERS TO REDUCE POLLUTION FROM STORM-WATER RUNOFF, KEEPING RAINWATER ON SITE TO RECHARGE THE GROUNDWATER AND PROTECT WATER RESOURCES. OTHER GREEN SITE STRATEGIES INCLUDE PLANTING SHADE TREES AND EDIBLE/NATIVE LANDSCAPING, AND RAINWATER COLLECTION.

RESOURCE EFFICIENCY

HOMEOWNERS CAN SELECT SALVAGED OR REGIONALLY AVAILABLE MATERIALS AND PRODUCTS WITH RECYCLED CONTENT TO SUPPORT THE LOCAL ECONOMY, CUT DOWN ON TRANSPORTATION COSTS, AND REDUCE VIRGIN MATERIAL USE AND SOLID WASTE. THESE PRODUCTS ARE NOW READILY AVAILABLE AT RETAIL STORES.

INDOOR ENVIRONMENTAL QUALITY

SUPERIOR INDOOR AIR QUALITY IS REQUIRED FOR THE HEALTH, COMFORT, AND WELL-BEING OF RESIDENTS. SELECT PRODUCTS FOR YOUR HOME THAT ARE FORMALDEHYDE, LEAD, ASBESTOS, ARSENIC, MERCURY, CADMIUM, AND PCB-FREE. USE LOW-VOC PAINTS, PRIMERS, ADHESIVES, AND SEALANTS. ENSURE THAT LIVING AREAS ARE ADEQUATELY VENTED.


PROPER WINDOW AIR-SEAL & FLASHING
PREFERABLE DOORS
INFRARED IMAGING
KITCHEN VENTILATION
SMOKE & CO2 DETECTORS
PROGRAMMABLE THERMOSTAT
UPGRADE WINDOWS
LOW-VOC PAINTS & FINISHES
REUSE OF EXISTING FLOORING
HARD-SURFACE FLOORING
UPGRADE DOORS
RIM JOIST INSULATION
EXTERIOR LIGHTING CONTROLS
AIR-LEAKAGE TESTING
XERISCAPING
RAIN GARDENS
PREFERABLE CABINETS
PIPE INSULATION
WATER HEATER INSULATION
HIGH-EFFICIENCY FURNACE
GARAGE SEPARATION BARRIER (CO ISOLATION)
AIR-LOCK DRYER VENT
EDIBLE/NATIVE PLANTS
ATTIC INSULATION
BATHROOM VENTILATION
LOW-WATER-USE SHOWER HEAD
WATER EFFICIENT TOILET
WATER CONSERVING FAUCET
APPROPRIATE PAINT SHEENS
LOW-VOC CAULKING
TREES FOR PASSIVE COOLING
PREFERABLE COUNTER TOPS
ENERGY-EFFICIENT APPLIANCES
GEOTHERMAL SYSTEMS
ENERGY-EFFICIENT LIGHTING
APPROPRIATELY HANDLED HAZARDOUS MATERIALS
RAINWATER COLLECTION
WATER-EFFICIENT IRRIGATION
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COMMUNITY & SITE IMPACT

TREES FOR PASSIVE COOLING

PLANT DECIDUOUS TREES TO THE SOUTH AND WEST OF A HOUSE OR DRIVEWAY TO BLOCK SUMMER SOLAR GAIN WHILE ALLOWING DESIRABLE WINTER SOLAR GAIN.

BENEFITS:
- REDUCES COOLING AND HEATING
- AESTHETICALLY PLEASING

PERVIOUS HARDSCAPE

INSTALL OUTDOOR SURFACES THAT ALLOW RAIN WATER TO INFILTRATE INTO THE GROUND LIMITING RUNOFF.

BENEFITS:
- REDUCES SURFACE WATER CONTAMINATION
- CHARGES GROUND WATER AQUIFERS

EDIBLE & NATIVE PLANTS

PLANT EDIBLE AND/OR NATIVE PLANTS INSTEAD OF NON-NATIVE ORNAMENTALS.

BENEFITS
- NUTRITIONAL BENEFITS
- BETTER SUPPORTS BIODIVERSITY

LIMIT EROSION

LIMIT SOIL EROSION BY REDUCING SITE DISTURBANCE AND INCORPORATING TECHNIQUES TO KEEP TOPSOIL IN PLACE AND ON THE SITE.

BENEFITS
- REDUCES SURFACE WATER CONTAMINATION

RAINWATER COLLECTION

UTILIZE A SYSTEM THAT COLLECTS RAINWATER THAT FALLS ON BUILDINGS AND THE SITE.

BENEFITS
- UP TO A 40% REDUCTION OF TYPICAL SUMMER WATER USE
- UTILITY SAVINGS

ENERGY EFFICIENCY

ENERGY-EFFICIENT COOKING APPLIANCES

INSTALL AN OVEN WITH A CONVECTION FEATURE AND USE A MICROWAVE FOR SMALL COOKING TASKS.

BENEFITS:
- USES LESS ENERGY
- SHORTER COOK TIMES W/ CONVECTION

PROGRAMMABLE THERMOSTAT

INSTALL FOR IMPROVED CONTROL AND SAVINGS BY AUTOMATICALLY REDUCING HEATING AND COOLING TEMPS WHEN NOT NEEDED.

BENEFITS:
- SAVE $180 PER YEAR ON AVERAGE
- IMPROVED COMFORT

UPGRADE WINDOWS

UPGRADE EXISTING WINDOWS FOR IMPROVED ENERGY PERFORMANCE, AND ACCESS TO LIGHT AND AIR.

BENEFITS:
- SAVE $176 PER YEAR ON AVERAGE
- HIGH PERFORMANCE & COMFORT

UPGRADE DOORS

UPGRADE EXISTING DOORS FOR IMPROVED ENERGY PERFORMANCE.

BENEFITS:
- INSULATING & SEALING THE ENVELOPE CAN SAVE $100s PER YEAR
- HIGH PERFORMANCE & COMFORT

RIM JOIST INSULATION

INSTALL INSULATION WHERE SPACES ARE UNFINISHED AND EXPOSED AND CAN BE EASILY REACHED.

BENEFITS:
- INSULATING & SEALING THE ENVELOPE CAN SAVE $100s PER YEAR

APPROPRIATE EXTERIOR LIGHTING CONTROLS

USE EXTERIOR LIGHTING CONTROLS, INCLUDING MOTION SENSORS, TO LIMIT USE TO WHEN REQUIRED.

BENEFITS:
- SAVES ENERGY
- INCREASES SECURITY

PIPE INSULATION

USE TO MAINTAIN WATER TEMPERATURE; WHICH CAN ALLOW FOR A LOWER TEMPERATURE SETTING AND INCREASED TIME THAT HOT WATER IS AVAILABLE AT THE FIXTURE.

BENEFITS:
- SAVES AN ESTIMATED $82 PER YEAR
- LESS WATER WASTE

EFFICIENT HOT WATER STORAGE

INSTALL EQUIPMENT TO REDUCE THE AMOUNT OF WATER REHEATING REQUIRED TO COMPENSATE FOR HEAT LOSS WHILE NOT IN USE.

BENEFITS:
- CAN REDUCE HEAT LOSS BY 25%-45%

HIGH-EFFICIENCY FURNACE

UPGRADE EQUIPMENT FOR IMPROVED ENERGY EFFICIENCY & PERFORMANCE.

BENEFITS:
- MORE EFFICIENT THAN STANDARD FURNACES.
- SAVE $108 PER YEAR ON AVERAGE

ATTIC INSULATION

INCREASE INSULATION AT THE ATTIC FLOOR FOR IMPROVED COMFORT & EFFICIENCY.

BENEFITS:
- ATTIC INSULATION AT AN R-38 WILL SAVE APPROXIMATELY $80 PER YEAR.

ENERGY-EFFICIENT REFRIGERATOR

UPGRADE APPLIANCES FOR ENERGY SAVINGS OVER STANDARD ALTERNATIVES.

BENEFITS:
- 40% MORE EFFICIENT THAN 2001 MODELS
- SAVE $6 PER YEAR ON AVERAGE

ENERGY-EFFICIENT DISHWASHER

UPGRADE APPLIANCES FOR ENERGY AND WATER SAVINGS OVER STANDARD ALTERNATIVES.

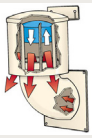
BENEFITS:
- UP TO 1150 GALLONS LESS A YEAR
- UTILITY SAVINGS UP TO $30 A YEAR

ENERGY-EFFICIENT LIGHTING

USE COMPACT FLOURESCENTS FOR ENERGY SAVINGS OVER INCANDESCENT BULBS W/ COMPARABLE LIGHT QUALITY.

BENEFITS:
- 75% LESS ENERGY AND THEY LAST 10 TIMES LONGER
- SAVE $63 PER YEAR ON AVERAGE

AIR-LOCK DRYER VENT



INSTALL A VENT CAP TO HELP PREVENT OUTSIDE AIR FROM ENTERING THE HOME WHEN THE DRYER IS NOT IN USE.

BENEFITS:
- INSULATING & SEALING THE ENVELOPE
- CAN SAVE $100s PER YEAR

strategies

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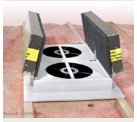
ENERGY EFFICIENCY

WINDOW GLAZING

"TUNE" WINDOWS ON DIFFERENT SIDES OF A HOUSE BY SELECTING GLAZING TYPES BASED ON THEIR ORIENTATION AND THE SUN'S LOCATION IN THE SKY.

BENEFITS:
- IMPROVED ENVELOPE PERFORMANCE

ALTERNATIVES TO AIR-CONDITIONING



INSTALL A WHOLE HOUSE FAN TO IMPROVE SUMMER COMFORT; LIMITING THE NEED FOR AIR CONDITIONING.

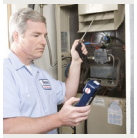
BENEFITS:
- REDUCES ENERGY USE
- MEETS COMFORT NEEDS

DUCT TESTING

TEST DUCTS FOR AIR FLOW, AIR PRESSURE AND OVERALL TIGHTNESS BOTH BEFORE & AFTER IMPROVEMENTS.

BENEFITS:
- IMPROVED COMFORT & AIR QUALITY
- MORE ENERGY EFFICIENT

COMMISSIONING



INSPECT, TEST AND TUNE BOTH NEW AND EXISTING EQUIPMENT TO ENSURE PERFORMANCE.

BENEFITS:
- IMPROVED COMFORT & AIR QUALITY
- MORE ENERGY EFFICIENT

SEAL & INSULATE HVAC

LIMIT DUCT LOSSES BY SEALING JOINTS AND INSULATING WHEN DUCTS ARE LOCATED IN UNCONDITIONED SPACES.

BENEFITS:
- IMPROVED COMFORT & AIR QUALITY
- MORE ENERGY EFFICIENT

DRYER DUCT

TO MAINTAIN ADEQUATE AIR FLOW LIMIT THE LENGTH AND NUMBER OF TURNS USED ON DRYER DUCTS.

BENEFITS:
- INCREASED SAFETY FROM FIRE
- MORE ENERGY EFFICIENT

CEILING FANS

INSTALL CEILING FANS TO IMPROVE SUMMER COMFORT; LIMITING THE NEED FOR AIR CONDITIONING.

BENEFITS:
- REDUCES ENERGY USE
- MEETS COMFORT NEEDS

HOT WATER RECIRCULATION SYSTEM

INSTALLING A RECIRCULATION SYSTEM WILL KEEP HOT WATER IMMEDIATELY AVAILABLE AT EACH FIXTURE.

BENEFITS:
- LIMITS WATER WASTE

LOWER HOT WATER TEMPERATURE

SET HOT WATER TEMPERATURE TO NOT EXCEED 120 DEGREES.

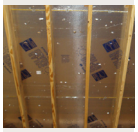
BENEFITS:
- EACH 10 DEGREE REDUCTION SAVES AN ESTIMATED 3%-5% IN ENERGY.

APPROPRIATE INDOOR LIGHTING

PROVIDE BOTH AMBIENT AND TASK LIGHTING AS WELL AS ADAPTABLE LIGHTING TO ACCOMMODATE VARIOUS SPACE USES.

BENEFITS:
- MORE ENERGY EFFICIENT
- IMPROVED LIGHT QUALITY

RADIANT BARRIER



ADD A RADIANT BARRIER AT THE ATTIC FLOOR OR UNDERSIDE OF THE ROOF TO LIMIT HEAT MOVEMENT.

BENEFITS:
- IMPROVED THERMAL COMFORT
- IMPROVED ENVELOPE PERFORMANCE

MANAGE PHANTOM LOADS

MANY APPLIANCES AND ELECTRONICS CONTINUE TO DRAW POWER EVEN WHEN "OFF". FULLY DISCONNECT BY UNPLUGGING OR SWITCHING THE CIRCUIT OFF.

BENEFITS:
- SAVES UP TO $10 PER YEAR PER ITEM

AIR-DRY LAUNDRY

THERE ARE NO ENERGY EFFICIENT CLOTHES DRYERS. HANG CLOTHES ON A LINE TO DRY WHEN POSSIBLE.

BENEFITS:
- SAVES ENERGY

HIGH EFFICIENCY CLOTHES WASHER

PROVIDE HIGHER PERFORMANCE WHILE USING LESS ENERGY, WATER AND DETERGENT.

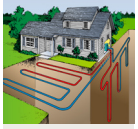
BENEFITS
- SAVES 18 GALLONS PER LOAD
- UTILITY SAVINGS UP TO $145 A YEAR

PEAK DEMAND REDUCTION

INSTALL REGULATOR SWITCHES AND/ OR CONSULT WITH YOUR UTILITY TO AUTOMATICALLY LIMIT ENERGY USE DURING PEAK USE PERIODS.

BENEFITS:
- REDUCES ENERGY COSTS
- LIMITS UTILITY SYSTEM STRESS

GEOTHERMAL SYSTEMS



INCREASES HEATING & COOLING EFFICIENCY BY USING THE RELATIVELY CONSTANT GROUND TEMPERATURE TO PRE-HEAT OR PRE-COOL A FLUID USED TO TRANSFER HEAT ENERGY.

BENEFITS:
- 72% ENERGY REDUCTION OVER CONVENTIONAL SYSTEMS.
- DURABLE & LONG-LASTING SYSTEM.

COMMUNITY & SITE IMPACT

RAIN GARDENS

CREATE RAIN GARDENS WITH NATIVE PLANTINGS IN THE LANDSCAPE.

BENEFITS:
- REDUCES POLLUTION FROM STORMWATER RUNOFF
-RECHARGES GROUNDWATER

WATER-EFFICIENT IRRIGATION

USE A SYSTEM WITH A HIGH IRRIGATION EFFICIENCY (e.g. DRIP) SO MORE WATER REACHES THE PLANTS RATHER THAN EVAPORATING OR BECOMING RUN-OFF.

BENEFITS:
- REDUCED UTILITY COSTS
- LIMITS POLLUTING RUN-OFF

XERISCAPING

LANDSCAPE WITH DRAUGHT TOLERANT PLANTINGS THAT CAN WITHSTAND LONG PERIODS WITHOUT RAIN OR IRRIGATION.

BENEFITS:
- REDUCED UTILITY COSTS
- LESS TIME & EFFORT TO MAINTAIN

SOIL DECOMPACTION

DISC-TILL SOIL PRIOR TO SODDING TO REDUCE COMPACTION & INCREASE INFILTRATION.

BENFITS:
- GROUND WATER RECHARGE
- LIMIT POLLUTING RUNOFF

strategies

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INNOVATIVE DESIGN PROCESS

WINDOW AIR-SEAL & FLASHING

USE PROPER FLASHING AND AIR SEALING MEASURES TO IMPROVE PERFORMANCE BY LIMITING AIR AND WATER ENTRY AT OPENINGS.

BENEFITS:
- INSULATING & SEALING THE ENVELOPE CAN SAVE $100s PER YEAR
- HELPS PREVENT MOISTURE INTRUSION AND MOLD

AIR-LEAKAGE TESTING

CONDUCT A BLOWER DOOR TEST TO BETTER UNDERSTAND THE HOME PERFORMANCE IN RESPECT TO AIR LEAKAGE.

BENEFITS:
- BETTER UNDERSTAND THE EXTENT AND LOCATIONS OF AIR LEAKAGE.

INFRARED IMAGING

CONDUCT INFRARED IMAGING OF THE HOME TO BETTER UNDERSTAND ITS THERMAL PERFORMANCE.

BENEFITS:
- BETTER UNDERSTAND THE LOCATIONS FOR THERMAL IMPROVEMENT

WATER CONSERVATION

LOW-WATER-USE SHOWER HEAD

USE EFFICIENT FIXTURES WITH WATER USE BELOW 2.5 GALLONS PER MINUTE.

BENEFITS:
- UP TO 4000 GALLONS LESS A YEAR
- UTILITY SAVINGS UP TO $40 A YEAR

WATER EFFICIENT TOILET

USE EFFICIENT FIXTURES WITH WATER USE BELOW 1.6 GALLONS PER FLUSH.

BENEFITS:
- SAVE 8,000 TO 20,000 GALLONS PER YEAR ON AVERAGE.

WATER CONSERVING FAUCETS

USE EFFICIENT KITCHEN AND LAVATORY FIXTURES WITH WATER USE BELOW 2.2 GALLONS PER MINUTE.

BENEFITS:
- 3000-5000 GALLONS LESS A YEAR
- UTILITY SAVINGS UP TO $50 A YEAR

RESOURCE EFFICIENCY

PREFERABLE INTERIOR DOORS

SALVAGE & REFINISH EXISTING DOORS OR INSTALL NEW WITH NO ADDED FORMALDEHYDE, LOW-VOC FINISHES, RECYCLED CONTENT & FSC WOOD.

BENEFITS:
- LESS TOXIC
- LESS VIRGIN MATERIALS REQUIRED

HARD-SURFACE FLOORING

USE IN HIGH-MOISTURE & HIGH-TRAFFIC AREAS FOR INCREASED DURABILITY & EASE OF CLEANING.

BENEFITS:
- LESS TOXIC
- IMPROVED INDOOR AIR QUALITY

REUSE OF EXISTING FLOORING

REFINISH EXISTING FLOORING WHERE POSSIBLE TO AVOID DEMOLITION & LANDFILL DISPOSAL.

BENEFITS:
- LESS VIRGIN MATERIALS REQUIRED
- AESTHETICALLY ATTRACTIVE

PREFERABLE CABINETS

INSTALL CABINETS WITH PLYWOOD BOXES IN MOIST AREAS, NO ADDED FORMALDEHYDE & LOW-VOC FINISHES.

BENEFITS:
- INCREASED DURABILITY
- LESS TOXIC

PREFERABLE COUNTER TOPS

INSTALL COUNTER TOPS MADE WITH REGIONALLY AVAILABLE MATERIALS AND RECYCLED CONTENT.

BENEFITS:
- LESS VIRGIN MATERIALS REQUIRED
- LOWER EMBODIED ENERGY

APPROPRIATE PAINT SHEENS

SELECT FOR HIGHER RESISTANCE TO MOISTURE & EASE OF CLEANING.

BENEFITS:
- INCREASED DURABILITY

COMPOSITE DECKING

USE COMPOSITE DECKING TO REPLACE WOOD ON EXTERIOR DECKS AND PORCHES.

BENEFITS:
- DURABLE
- HIGH AMOUNTS OF RECYCLED CONTENT

INSULATION

SELECT INSULATION WITH HIGH AMOUNTS OF RECYCLED CONTENT AND THAT IS FORMALDEHYDE-FREE.

BENEFITS:
- RECYCLED CONTENT
- IMPROVED INDOOR AIR QUALITY

FSC CERTIFIED WOOD

WHEN INSTALLING NEW WOOD PRODUCTS, SELECT FSC-CERTIFIED ALTERNATIVES.

BENEFITS:
- ENVIRONMENTALLY RESPONSIBLE GROWING AND HARVESTING PRACTICES
- THIRD-PARTY CERTIFIED

APPROPRIATE ROOFING

UPGRADE ROOFING TO A MORE DURABLE PRODUCT WITH A HIGH SOLAR REFLECTANCE.

BENEFITS:
- 50 YEAR WARRANTY COMMON
- REDUCES CONTRIBUTION TO THE HEAT ISLAND EFFECT

NATURAL FINISHES

INSTALL NATURAL FINISHES INCLUDING CLAY, MILK PAINT AND PLANT-BASED OIL FINISHES AS AN ALTERNATIVE TO PETROLEUM BASED PRODUCTS.

BENEFITS:
- LESS TOXIC

REUSED OR SALVAGED CABINETS

REFURBISH EXISTING CABINETS OR REPLACE WITH SALVAGED CABINETS.

BENEFITS:
- LESS VIRGIN MATERIALS REQUIRED
- LESS WASTE

TILE & TRIM WITH RECYCLED CONTENT

USE TILE WITH HIGH AMOUNTS OF RECYCLED CONTENT.

BENEFITS:
- LESS VIRGIN MATERIALS REQUIRED

RAPIDLY RENEWABLE FLOORING

INSTALL FLOORING MADE OF PLANT BASED MATERIALS THAT MATURE QUICKLY; LIMITING NEGATIVE ENVIRONMENTAL IMPACTS.

BENEFITS:
- LOWER EMBODIED ENERGY
- DURABLE & ATTRACTIVE

strategies

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INDOOR ENVIRONMENTAL QUALITY

TRACK-OFF MATS

USE MATS AT ALL EXTERIOR DOORS TO LIMIT THE INTRODUCTION OF OUTDOOR CONTAMINANTS.

BENEFITS:
- IMPROVED INDOOR AIR QUALITY

RADON MITIGATION

TEST FOR RADON AND INSTALL A PASSIVE OR ACTIVE MITIGATION SYSTEM TO REDUCE RADON LEVELS.

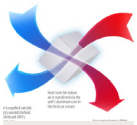
BENEFITS:
- INCREASED SAFETY

PROPERLY VENTED EQUIPMENT

USE COMBUSTION EQUIPMENT WITH PROPER VENTING & SEALED COMBUSTION TO REDUCE THE RISK OF CO BUILDUP.

BENEFITS:
- INCREASED SAFETY

INTRODUCE OUTDOOR AIR



ADD OUTDOOR AIR THROUGH THE HVAC SYSTEM. INCLUDE A HEAT EXCHANGER FOR IMPROVED EFFICIENCY.

BENEFITS:
- IMPROVED INDOOR AIR QUALITY

INDOOR AIR FILTRATION

INSTALL A HIGH PERFORMANCE WHOLE-HOUSE FILTRATION SYSTEM AS PART OF THE HVAC EQUIPMENT.

BENEFITS:
- IMPROVED INDOOR AIR QUALITY

DRINKING WATER FILTRATION

INSTALL AN UNDER SINK DRINKING WATER FILTRATION SYSTEM.

BENEFITS:
- IMPROVED TASTE MAY DECREASE USE OF BOTTLED WATER.
- REDUCE EXPOSURE TO CONTAMINANTS

GREEN CLEANING

USE ENVIRONMENTALLY APPROPRIATE CLEANING PRODUCTS AND METHODS.

BENEFITS:
- LESS TOXIC
- IMPROVED INDOOR AIR QUALITY

APPROPRIATE CHEMICAL STORAGE

STORE HOUSEHOLD CHEMICALS PHYSICALLY OR MECHANICALLY SEPARATE FROM THE LIVING SPACE.

BENEFITS:
- LESS TOXIC
- IMPROVED INDOOR AIR QUALITY

NONPAPER-FACED GYPSUM

INSTALL IN MOIST AREAS TO LIMIT DETERIORATION AND MOLD GROWTH.

BENEFITS:
- MOLD RESISTANT
- RECYCLED CONTENT

KITCHEN VENTILATION

INSTALL TO EFFICIENTLY EXHAUST ODORS & MOISTURE TO THE EXTERIOR.

BENEFITS:
- IMPROVED INDOOR AIR QUALITY
- ENERGY EFFICIENT

SMOKE & CO DETECTORS

INSTALL SMOKE & CO DETECTORS THAT ARE "HARD-WIRED" TO ELIMINATE THE NEED FOR BATTERIES.

BENEFITS:
- INCREASED SAFETY

LOW-VOC PAINTS & FINISHES

USE PAINTS WITH LIMITED AMOUNTS OF VOLATILE ORGANIC COMPOUNDS (VOCs).

BENEFITS:
- LESS TOXIC
- IMPROVED INDOOR AIR QUALITY

BATHROOM VENTILATION

INSTALL TO EFFICIENTLY EXHAUST ODORS & MOISTURE TO THE EXTERIOR.

BENEFITS:
- IMPROVED INDOOR AIR QUALITY
- ENERGY EFFICIENT

GARAGE AIR BARRIER

ADD AN AIR BARRIER AT GARAGE/ HOUSE WALL TO REDUCE CO INFILTRATION

BENEFITS:
- IMPROVED INDOOR AIR QUALITY
- IMPROVED ENVELOPE PERFORMANCE CAN SAVE $100s PER YEAR

LOW-VOC CAULKING

USE CAULK WITH LIMITED AMOUNTS OF VOLATILE ORGANIC COMPOUNDS (VOCs).

BENEFITS:
- LESS TOXIC
- IMPROVED INDOOR AIR QUALITY

APPROPRIATELY HANDLED HAZARDOUS MATERIALS

CONDUCT TESTING & REMOVAL OF HAZARDOUS MATERIALS INCLUDING ASBESTOS & MOLD.

BENEFITS:
- LONG-TERM HEALTH BENEFITS

INNOVATIVE DESIGN PROCESS

UPGRADE BASEMENT FLOOR & WALLS

UPGRADE A BASEMENT WITH WELL DRAINED, DAMP PROOFED, DURABLE AND WELL INSULATED ASSEMBLIES.

BENEFITS:
- IMPROVED ENVELOPE PERFORMANCE
- IMPROVED INDOOR AIR QUALITY

APPROPRIATE INSECT CONTROL

PROVIDE INSECT CONTROL THROUGH CONSTRUCTION TECHNIQUES & CAREFUL USE OF VEGETATION TO REDUCE OR ELIMINATE THE NEED FOR CHEMICALS.

BENEFITS:
- REDUCE CHEMICAL EXPOSURE
- SUPPORTS BIODIVERSITY

PROVIDE HOMEOWNERS MANUAL

CREATE A DOCUMENT THAT HELPS THE HOME OWNER OPERATE & MAINTAIN THEIR HOME; ENSURING THAT IT CONTINUES TO PERFORM AT A HIGH LEVEL.

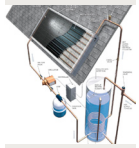
BENEFITS:
- PROVIDES OPERATION & MAINTENANCE INFORMATION FOR SYSTEMS
- PROVIDES LIST OF CONTRACTORS

PHOTOVOLTAIC SYSTEM READY

INCORPORATE THE NECESSARY INFRASTRUCTURE FOR THE SYSTEM WHILE EASILY ACCESSIBLE.

BENEFITS:
- LIMITS DISRUPTION, WASTE & COST RESULTING FROM THE ADDITION OF A SYSTEM AT A LATER DATE.

SOLAR-THERMAL SYSTEM READY



INCORPORATE THE NECESSARY INFRASTRUCTURE FOR THE SYSTEM WHILE EASILY ACCESSIBLE.

BENEFITS:
- LIMITS DISRUPTION, WASTE & COST RESULTING FROM THE ADDITION OF A SYSTEM AT A LATER DATE.

CONSTRUCTION WASTE MANAGEMENT

RECYCLE OR REUSE CONSTRUCTION WASTE TO LIMIT DISPOSAL IN LANDFILLS OR INCINERATORS.

BENFITS:
- LOWER WASTE DISPOSAL FEES
- LESS DEMAND FOR NATURAL RESOURCES

strategies

BURNSVILLE

LHB

What is green remodeling?

Improvements to your home to reduce your energy bills, create a healthier living space, conserve resources, add property value, and lessen your environmental impact. Green homes need not look any different than conventional homes.






Why is green remodeling important?

Green remodeling includes strategies that allow residents to live more sustainably and reduce their consumption of resources. Living sustainably helps the City of Burnsville to have a thriving local economy and high quality of life for all residents.




How do I find information on green grants?

www.burnsville.org
- Neighborhood Water Resources Enhancement Grant
- Energy Efficiency Grants & Tax Rebates

www.dakotacda.org
- Weatherization Assistance Program
- Burnsville Home Remodeling Advisor Program





How do I find a green rating system?

For homeowners or contractors who would like to learn more about established green building guidelines, visit the following:

Minnesota GreenStar
http://www.mngreenstar.org

Minnesota Green Communities
http://www.mngreencommunities.org

LEED for Homes
http://www.usgbc.org



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