

MINNESOTA'S  
**green**  
PATH  
EFFICIENT  
DURABLE  
HOMES

With **16,000** home performance reports,  
we must be doing something right.



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WHAT IS IT?

MINNESOTA'S

# green PATH

EFFICIENT  
DURABLE  
HOMES

Minnesota's Green Path is the leading energy efficiency and green building program for Minnesota's residential construction industry. Green Path provides builders with a realistic approach to building energy-efficient and sustainable homes. This involves local utilities as a result of their rebate incentive to builders to meet and surpass building and energy codes.



<https://youtu.be/V7Xwn39djMg>

This is a television report that aired about an energy tested Green Path home in the 2018 Fall Parade of Homes.

**16,000+** Homes Energy Tested

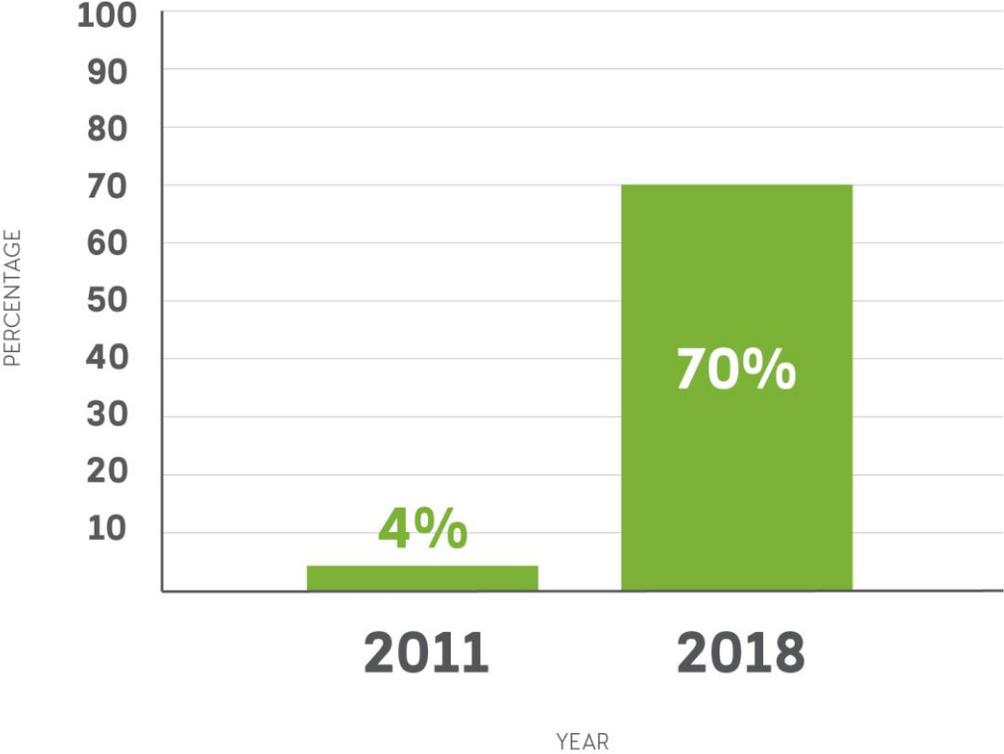
MINNESOTA'S

# green PATH

EFFICIENT  
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# Green Path Energy Tested Homes

In the Parade of Homes





ENERGY TESTED

WWW.MNGREENPATH.ORG

Home Address:  
123 Any Street NE  
St. Michael, MN 55376

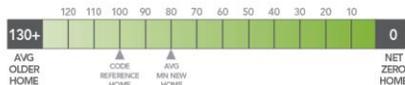
Square Feet: 4,321  
Bedrooms: 4  
Builder: Minnesota Builder, Inc.

www.MinnesotaBuilder.com

## HOME PERFORMANCE REPORT

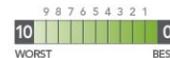
### HERS Index

# 50



### ACH50

# 1.3



These results reflect  
Air Changes per Hour  
of measured air flow.

2018 | Rating Company: DPIS

The RESNET Home Energy Rating System (HERS) score rates homes against an index of the code reference home of 100. The lower the score, the more energy efficient the home. Older homes often score 130 or higher. In Minnesota today, new homes built to code generally test about 80.

The Air Changes Per Hour at 50 Pascals (ACH50) is the index used in blower door testing to indicate how airtight a home is. As with HERS, the lower the score the more energy efficient the home.

Minnesota's Green Path is a program of BATC-Housing First Minnesota.



GENEROUS SUPPORT FOR MINNESOTA'S  
GREEN PATH IS PROVIDED BY:



NOVEMBER 9, 2018 8:54 AM

Builder	Address	City	State	Zip	Utility Program (Logo for HPR)	Sq Ft	Bedroom	HERS	ACH50
Brandl Anderson Homes, Inc.	7521 157th Street	Savage	MN	55378	CenterPoint Only	3559	5	49	2.4
Creek Hill Custom Homes	7508 Walnut Grove Ln N	Maple Grove	MN	55311	CenterPoint Only	3342	3	49	1.3
Dingman Custom Homes	11004 Brookside Trl	Champlin	MN	55316	CenterPoint Only	4352	2	50	1.6
DR Horton	19065 Ivanhoe Drive NW	Elk River	MN	55330	CenterPoint Only	2661			
DR Horton	10130 190th Ave NW	Elk River	MN	55330	CenterPoint Only	2242			
DR Horton	5205 151st Street W	Apple Valley	MN	55124	CenterPoint Only	3969			
DR Horton	15118 Elysium Ave	Apple Valley	MN	55124	CenterPoint Only	4466			
DR Horton	15211 Edgewood Avenue	Savage	MN	55378	CenterPoint Only	3863			
DR Horton	4465 124th Court NE	Blaine	MN	55449	CenterPoint Only	4425			
DR Horton	4549 124th Court NE	Blaine	MN	55449	CenterPoint Only	4426			
Eternity Homes LLC	3292 Thornton Dr	Prior Lake	MN	55372	CenterPoint Only	2847			
Fieldstone Family Homes	757 ODay Dr	Jordan	MN	55352	CenterPoint Only	3314			
Gonyea Homes Inc.	420 Lakeview Pkwy	Orono	MN	55391	CenterPoint Only	5679			
Hanson Builders	5562 Zircon Ln N	Plymouth	MN	55446	CenterPoint Only	4156			
Hanson Builders	5505 Yellowstone Ln N	Plymouth	MN	55446	CenterPoint Only	4510			
Hanson Builders	5497 Zircon Ln N	Plymouth	MN	55446	CenterPoint Only	4534			
Hanson Builders	5495 Yellowstone Ln N	Plymouth	MN	55446	CenterPoint Only	4608			
Jonathan Homes of MN, LLC	16253 Zilla St NW	Andover	MN	55304	CenterPoint Only	4403			
Jonathan Homes of MN, LLC	2939 132nd Ln NW	Blaine	MN	55449	CenterPoint Only	4430			
Key Land	15711 Pennsylvania Ave	Savage	MN	55378	CenterPoint Only	3951			
Lennar	5888 Royalton Rd NE	Prior Lake	MN	55372	CenterPoint Only	1827			
Lennar	5814 Apex Way NE	Prior Lake	MN	55372	CenterPoint Only	3768			
Lennar	7190 Mackenzie Ave NE	Otsego	MN	55330	CenterPoint Only	3860			
Lennar	15440 73rd St NE	Otsego	MN	55301	CenterPoint Only	4820			
Lennar	1127 Stonebridge Path	Jordan	MN	55352	CenterPoint Only	2595			
Lennar	11764 73rd St NE	Otsego	MN	55330	CenterPoint Only	3380			
Lennar	1976 Eagle Ridge Loop	Shakopee	MN	55379	CenterPoint Only	3918			
Lennar	7158 Mackenzie Ave NE	Otsego	MN	55330	CenterPoint Only	3405			
Lennar	13021 Leyte Cir NE	Blaine	MN	55449	CenterPoint Only	3617			
Lennar	7394 Palmgren Ave NE	Otsego	MN	55301	CenterPoint Only	3840			
Lennar	15382 71st St NE	Otsego	MN	55301	CenterPoint Only	3840			
Lennar	16054 Sapphire St NW	Ramsey	MN	55303	CenterPoint Only	3699			
Lennar	19337 Annabelle Ln	Corcoran	MN	55340	CenterPoint Only	4796			

Number of bedrooms, HERS and ACH 50 data provide for Green Path Home Performance Reports.



The data used for the Green Path Home Performance Report is provided by ICF. ICF is the implementer for local utility energy rebate programs in most of the Minneapolis/St Paul area. Local utilities include Xcel Energy and Center Point Energy.



Green Path has two higher certification levels. Advanced Certification consists of a HERS score of 55 or less and the achievement of a 20 points from a Green Path checklist of green construction materials, techniques and products. Master Certification requires 50 check list items to be achieved and a HERS score of 50 or less.

MINNESOTA'S

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**Advanced** Certification

**Master** Certification

# Check List BETA v2



## Minnesota Green Path Energy Efficiency

- 1) Sub-slab insulation is installed under slabs within the thermal envelope (R10 minimum).....1
- 2) A systems approach to home design was used. Upload plan with air barriers, vapor retarders, and drainage planes clearly identified.....1
- 3) A vestibule with two gasketed self-closing doors and walk-off mat is installed....1
- 4) Bottom plates of exterior walls are sealed to subfloor with gasket or two beads of caulk.....1
- 5) Foundation and mudsill are air sealed.....1
- 6) Cantilevered floors are completely sealed with spray foam above supporting walls.....1
- 7) A GSHPI system with a high efficiency furnace (95+) and ECM Motor is installed.....2
- 8) Insulated sheathing is installed on exterior of the building walls (R25 minimum)..1
- 9) No wood burning fireplaces are installed inside the thermal envelope.....1
- 10) An induction cook top is installed.....1
- 11) A solar-electric photovoltaic system is installed.....2
- 12) A drain-water heat recovery unit (DHR / Combi-core) is installed.....1
- 13) 80% of windows have a U-value of 0.20 or lower.....1
- 14) No recessed lights are installed into unconditioned space.....1
- 15) Basement walls are Insulated Concrete Formwork (ICF).....1
- 16) Above grade walls are Insulating Concrete Formwork (ICF).....1
- 17) Above grade walls are Structurally Insulated Panels (SIPs).....1

The Parade of Homes in the Minneapolis/St. Paul metro area is a major force in new construction sales. This event has taken place for more than 70 years. The Spring 2019 Parade of Homes features 472 new homes and 55 remodeled homes. 75,000 Parade of Homes guidebooks and the Parade of Homes website provide outlets to promote Green Path homes while educating consumers about value of energy testing in new and remodeled homes. Any home that is energy tested has a Green Path icon included in their listing.



**MARKETING**

# GREEN BUILDING

*Your Way*

HELPING YOU MAKE SMART ENERGY CHOICES

New homes in Minnesota are some of the most energy-efficient homes in the country, but that doesn't mean they're all created equal when it comes to energy use. That's where Minnesota's Green Path comes in. Green Path Energy Tested homes provide independent documentation—a Green Path Home Performance Report (HPR)—showing the home's expected energy use. The HPR provides a shortcut to understanding the complexities of building science, insulation and R-values, heating and cooling equipment, and a whole lot more.

During the past eight years, homes have become more energy efficient, both as the energy code became more stringent and as homebuilders

and building officials incorporated the additional requirements placed on home construction. According to RESNET (Residential Energy Services Network), Minnesota had the fourth lowest HERS score in 2017 at 51. The three states with lower scores, however, tested far fewer homes, making Minnesota the most energy-efficient of all high-growth states.

Minnesota's Green Path program was designed to make sure that every homebuyer could go green, but in their own way.

To qualify for the Green Path program, homes must be independently tested during and after construction by a certified RESNET energy rater.

The data collected during testing is then presented in an easy-to-understand form on the HPR. If the home has additional green features (above and beyond what is required by code), the home may become Advanced or Master Green Path Certified, with all of those green features also presented on the HPR. With your HPR in hand, homebuyers can compare and contrast different homes before they buy, getting just the level of energy efficiency and green that they want.



“WE ARE COMMITTED TO OFFERING SUSTAINABLE, QUALITY PRODUCTS THAT WILL STAND THE TEST OF TIME. THAT'S WHY WE'RE A PROUD SPONSOR OF MN GREEN PATH, A PROGRAM DEDICATED TO THESE SAME VALUES.”

DAVID FANLOW  
Builders FirstSource

As one of the nation's largest suppliers of structural building materials and services, Builders FirstSource is the first place your builder should turn for excellent building products. They'll receive truly personalized attention from local professionals, assuring that your contractor is getting the best quality and best value from people who know the difference. Just as importantly, Builders FirstSource ensures the wide range of resources that only a large company can provide, another guarantee that your new home or remodeling project will be the best it can be.

But Why Sponsor Green Path? Builders FirstSource has seen the value behind building green for families like yours. They've made it a priority that their people have the knowledge and expertise needed to build better green homes.

THE ANATOMY OF AN

# HPR

As you plan your tour, look for the Green Path icon indicated on Parade Homes™ that have been energy tested by an independent RESNET (Residential Energy Services Network) rater.

## MN GREEN PATH BANNER

Energy Tested indicates the home has been tested by a RESNET Master or Advanced Certified rater. The Home Performance Report indicates the home has reached a superior level of green, with all added features listed on the HPR.

## HOME INFORMATION

Basic stats on the home



## HERS GRAPH

Places the home's index along a continuum from "back-hack-the-neighborhood" to net-zero where your Utility might even pay you for the excess energy you give back to the grid

## HERS INDEX:

The lower the HERS number, the more energy efficient the home's construction

51

AVERAGE HERS RATING

2017 RESNET

16,000+

GREEN PATH HPRS ISSUED

315

GREEN PATH ENERGY TESTED HOMES ON THE SPRING PARADE OF HOMES



MN.GREENPATH.ORG



**149**

**TRISTAR HOMES, LLC**

**\$1,200,000**

Others from \$750,000

**PLYMOUTH**

Plymouth Preserve  
5220 Ranchview Lane N.  
763-464-1919 | 763-228-2662  
www.tristarhomesmn.com

Reggie award-winning Tristar Homes' exclusive community in Plymouth Preserve & 284 SD. Welcome to TriStar Homes newest design, The Dunleavy. Architecturally defined home w/timeless design trends mixing walnut and enamel finishes for soft, contemporary feel.

Gourmet KT, custom cabinets, desirable mother-in-law suite and GR w/beam ceilings. Mudroom w/lockers, pantry and workstation viewing sports court. Grand curved staircase walks to U/L w/ bonus room, master suite w/sitting room, spa BA & walk-in shower, junior BRs, Jack-&-Jill BA, guest suite and laundry. Rustic and casual LL w/FPL, wet bar, exercise room, oversized sport court.

Vicksburg Lane to 55th Avenue E; Right on Terraceview Lane; Follow around to Ranchview Lane; Home on left



NRL Lic. #00320009



**150**

**CHARLES CUDD CO., LLC**

**\$716,800**

Others from \$600,000

**PLYMOUTH**

The Villas at Bass Creek  
10350 - 57th Avenue N.  
612-695-3894 | 612-323-8020  
<https://charlescudd.com/photo-gallery/lifestyle-homes/>

Location, location, location! This newly finished model is in the fantastic new neighborhood that is conveniently located in Plymouth - recognized as the nationally acclaimed "Best City in Nation to Live In." We offer the best in carefree living you deserve from the Charles Cudd Lifestyle Collection. These architecturally designed detached villas have main-floor master living, stunning gourmet kitchen, great room, and 10-foot ceilings through the main floor. The window-filled sunroom offers beautiful marsh and creek views. The walkout lower level has everything you need to entertain. Reserve your homesite today!

1-394 to N. on 169 to Bass Lake Road; West on Bass Lake to Nathan Lane N.; South to the Villas at Bass Creek



NRL Lic. #00320005



**151**

**LDK BUILDERS, INC.**

**\$1,029,888**

Others from \$700,000

The perfect designed home on the perfect lot in the perfect location very convenient to downtown. This master-on-the-main-level two-story home has one-level living and an upper level for the kids, grandkids or guests. The screen



**152**

**TOLLBERG HOMES, LLC**

**\$1,150,000**

Others from \$700,000

Beautiful South-facing lot complete with a fully customized two-story home. Enjoy the view through the massive windows and deck overlooking the lake. Hardwood floors, two fireplaces, and unique elevation design await you. Come right in off



WEST

# Some of the Marketing for the Spring 2019 Parade of Homes.

## BILLBOARDS



*March 2-31*  
Tour 472 NEW HOMES

PARADEOFHOMES.ORG

SPONSORED BY **usbank**



## CITY BUSES

## TV



**MARCH 2-31**

ParadeofHomes.org

SPONSORED BY **usbank** | xfinity | **FREE** GUIDEBOOKS

## RADIO

SP19\_RADIO SCRIPTS

:15, :05s + POH Jingle

**FOR SPOTS RUNNING FEB. 27-MARCH 1**

:15 Find your place in a community you'll love. Tour more than 400 new homes on the Parade of Homes – starting THIS Saturday! Free Guidebooks at Holiday and Parade of Homes.org. Sponsored by US Bank.

:15 The Parade of Homes starts THIS Saturday! Get inspired and tour more than 400 new homes. Pick up your free Guidebook at Holiday and visit Parade of Homes.org to plan your tour. The Parade of Homes, sponsored by US Bank.

:05 Find your place on the Parade of Homes, starting THIS Saturday. Free Guidebooks at Holiday.

... on the Parade of Homes. Free Guidebooks at



Green Path Website: MNGreenPath.org



HERS Ratings included in the MLS.

## 2018 Green Path Conference at Target Field.

Panel Discussion: City Sustainability and Green Initiatives including two area mayors and two council members discussing how cities becoming more “green,” can impact builders and how builders and remodelers can work with their cities to encourage energy efficient homes.



Speaker: 13½ Months Until 2020: Where are We Headed? Discussing current best practices, and future code impacts. It was presented by Steven Ellison, Senior Manager, ICF.

Panel Discussion: Sustainable Trends in Businesses. How are businesses adapting to reflect the sustainability mindset of the new generation? Featuring panelists from three area businesses



DESIGNATED BUILDER  
green **PATH**



Coming in 2019!



When the current MN building and energy codes were adopted, BATC-Housing First Minnesota offered training courses. With MN + WI licensed contractors needing to take continuing education courses, BATC-Housing First Minnesota provides training through its Contractor University program.





<https://youtu.be/otHXLtz2bX4>

Another video on Minnesota's Green Path.



# HISTORY OF GREEN PATH

# History of Green Path

- ❖ **Energy Star New Homes Program Utilizing Energy Star**
- ❖ **Energy Star Updated to V3**
- ❖ **Need for a Program to Fill the Void**
- ❖ **Green Path Required the Builder to Build Above Energy Code**
- ❖ **Minnesota Increased the Energy Code**
- ❖ **Green Path Tested**

An aerial photograph of a residential neighborhood, showing houses, streets, and trees. The image is overlaid with a dark, semi-transparent layer. A solid green vertical bar is positioned on the far left edge. The text 'UTILITY RELATIONSHIP' is centered in the middle of the image in a bold, white, sans-serif font.

# UTILITY RELATIONSHIP

# Utility Relationship

- ❖ **Utility Energy Efficiency Programs**
- ❖ **Utilizing the HERS Rating**
- ❖ **Third Party Oversight**
- ❖ **Utility Designed Base Code Home**
- ❖ **Cost Per Dollar Saved**
- ❖ **HERS Approved for Federal Builder Tax Credits**



# BUILDERS

# Builder / Rater Relationship

- ❖ **HERS Rating Discounted or Paid for by Builders**
- ❖ **HERS Raters - Project Planning and Onsite Inspections**
- ❖ **Federal Builder Tax Credits**
- ❖ **Marketing Homes with HERS Score**
- ❖ **Train Sales Staff on HERS Score**



# **BUILDERS ASSOCIATION**

# Builders Association

- ❖ **More Members**
- ❖ **More Traction in the Green Space for Building**
- ❖ **More Member Perks**