DOE Zero Energy Ready Home



Energy Efficiency & Renewable Energy



Zero Energy Ready Homes Leading Builders

Presenter Name Title Organization

Introduction



Energy Efficiency & Renewable Energy



Leading Builders Series

Background - The History

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Energy Efficiency & Renewable Energy



Founded 1992

- Greentree Homes
- New Town Builders Established 1999
 - New Urbanist Building Style
 - Community Development
- Thrive Home Builders Established 2015
 - Mission Driven to be an Innovative Market Leader
 - Efficient * Healthy * Local





Background - The History

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Denver Based Mid-Sized Home Builder

- National Builder Dominated Market
- Top 20 by sales volume
- 2017 Annual Closings 240







Background - The Product



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Multifamily Product - Townhomes

- Stapleton Central Park Rows
- Stapleton Bluff Lake Rows
- Stapleton Sand Creek Rows
- Stapleton Income Qualified
- Ridgegate Rows
 Optional Zero Energy

HERS MID 50s HERS MID 50s HERS MID 40s HERS MID 30s HERS MID 30s HERS Below 10









6 | INNOVATION & INTEGRATION: Transforming the Energy Efficiency Market

Background - The Product

Single Family Detached

- Solaris III
- Vita
- Hyland Village _

Flatiron and Solaris Series

- Lowry _
 - Courtyard and Parkside
- **ZEN 2.0**
- Panacea

HERS Low 40's HERS Low 40's

HERS Below 10

HERS Mid 30's

HERS Below 10

HERS Below 10





ENERGY STAI









Energy Efficiency & **Renewable Energy**

Marketing Zero Energy Ready Homes

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DOE ZERH Logo

- IAP, Energy Star, LEED

Sales Collateral

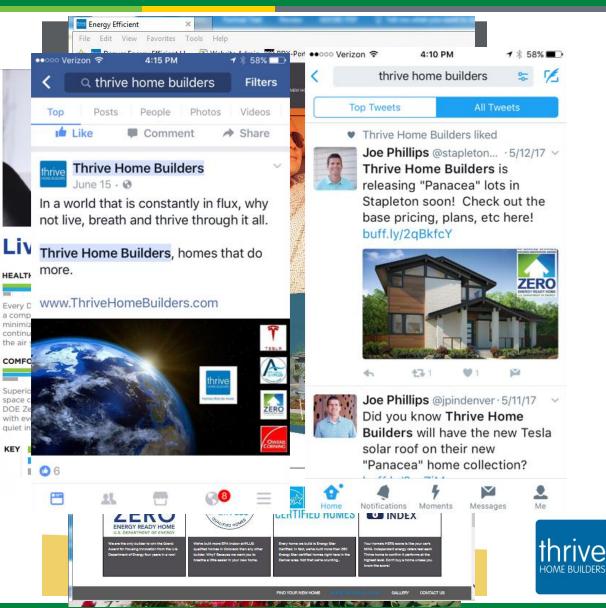
Jobsite Signage

Window Clings

DOE Trifold Brochures

Website

Social Media



Marketing Zero Energy Ready Homes

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DOE Housing Innovation Grand Award











Marketing Zero Energy Ready Homes



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Building Science Center

– Design and Technology Studio



Technical Strategies



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Thermal Envelope

- Double 2x4 Wall, R-40



Air Sealing

- Energy Complete
- Foam Sealed Rim Joist





Technical Strategies



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12. 1

CR

GLP1118

IAP Documentation



Hot Water Distribution



NPE-240A

- ½" gas pipe capable up to 24'
- Field convertible gas system
- Ultra condensing efficiency
- Dual stainless steel heat exchangers
- Low NOx emissions (≤ 20ppm)
- SCH 40, 2" venting up to 60'
- Cascading capable



Technical Strategies

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Training





Business Lessons Learned

- Do We Get Paid for What We Do?
 - 2ND Highest Price per sq/ft in our market
 - Ratio of Hard Cost to Sales Price
 - National Average 60% of Sales Price = Hard Costs
 - Thrive Average 62% of Sales Price = Hard Costs
 - Opportunities For Lots
 - Stapleton 8 Product Lines
 - Hyland Village
 - Perrins Row Town Homes
 TIFF
 - Gorilla In Your Space



Meet the Face of

indoor air in a home built by Coloradans, for Coloradans.



Buildings.Energy.gov





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Do We Get Paid for What We Do?

- Industry Partnerships
 - Owens Corning
 - Tesla
 - Panasonic
 - Leading Builder Allies

Build the Brand

- Don't Compromise
- "Make the brand work for you"







For More Information

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Thank You!



Energy Efficiency & Renewable Energy



Resources:

www.buildings.energy.gov/zero/

- Take the Tour of Zero
- Become a Partner
- Review ZERH Specs
- Access Tech Training Webinars
- Use the Marketing Toolkit

Contact: zero@newportpartnersllc.com

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