

FortZED Community Energy Challenge



What am I talking about?

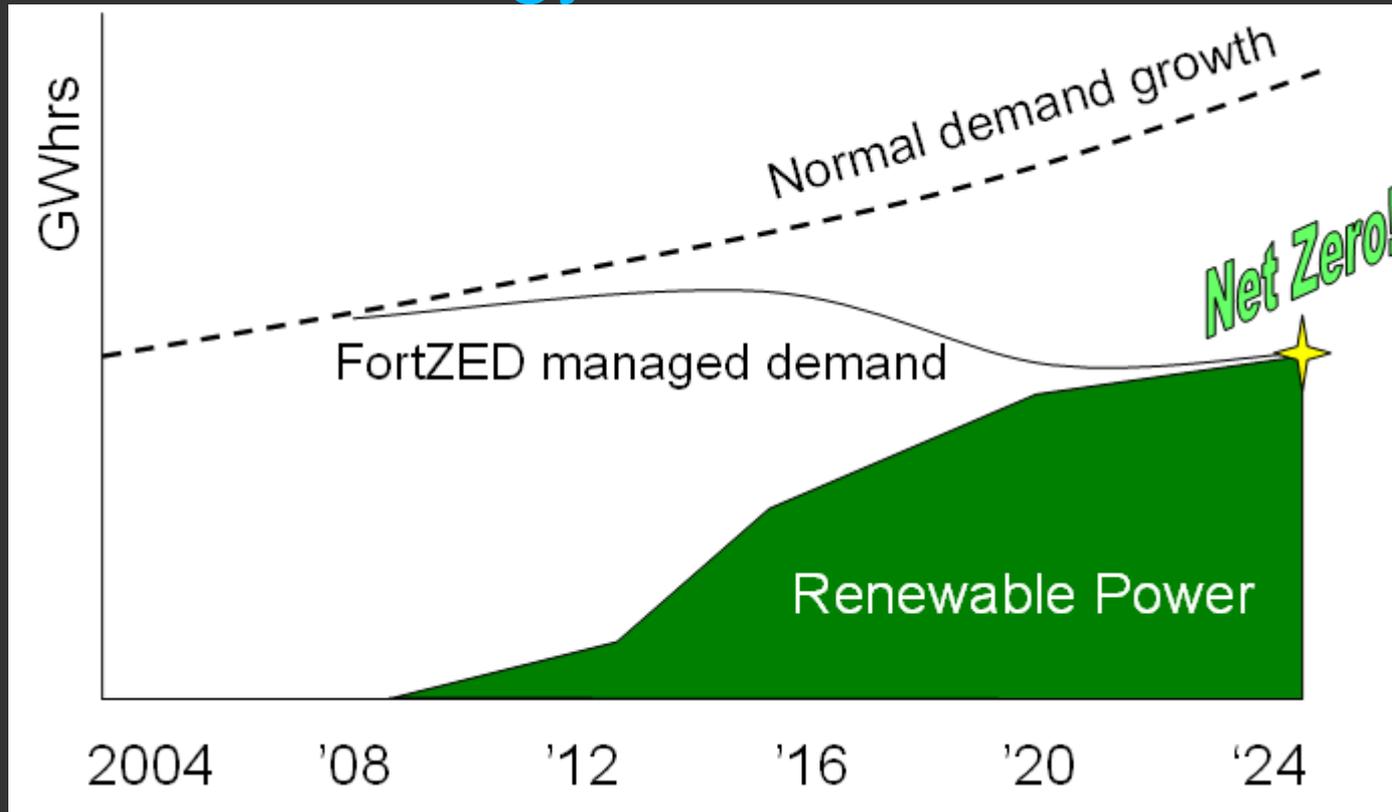
- FortZED
- Community Energy Challenge
- Actions you can take at home
- Ways you can get involved

What is FortZED?

- ZED = Zero Energy District

What is FortZED?

- ZED = Zero Energy District



What projects are currently underway?

- FortZED jump start project
- FortZED Community Energy Challenge
- Smart Grid Investment Grant Project
- Green Restaurant Initiative
- Public Buildings Project



Home

What is FortZED?

Why Fort Collins?

Partners

News

Contact Us

Located in Fort Collins, CO

FortZED:

Fort Collins will be the model community for a leading and replicable net Zero Energy District.

The mission of FortZED is to transform the downtown area and the main campus of Colorado State University into a net Zero Energy District through conservation, efficiency, renewable sources and smart technologies.



The Jumpstart Project is LIVE!

The Renewable and Distributed Systems Integration (RDSI) jumpstart project is live! For one calendar year, RDSI partners will be demonstrating a 20-30% peak load reduction.

The project went live at the Smart Grid LIVE event January 5, 2011 in Fort Collins. Here are two fact sheets about the [RDSI jumpstart](#) of FortZED and [FortZED](#) itself.

Watch the FortZED Jumpstart Project Video

BENEFITS OF FORTZED

- It is an innovative energy project that supports a progressive municipal utility
- It fosters local innovation and entrepreneurship
- It provides economic support for local private sector clean energy technology companies
- It legitimizes our region as a leader in clean energy technology innovation
- It has philanthropic-minded, grassroots support in the community



Faces of FortZED

Jenn Orgolini

FortZED Project Director, New

Where is this District?



What is the FortZED Community Energy Challenge?

- Grassroots Outreach to Educate and Empower Residents
- Brought to you by The Atmosphere Conservancy



What are the FortZED Challenge Goals?

- Get 1,000 Pledges
- Recruit and Train 100-150 Volunteer Rangers
- Organize Community Events and Neighborhood House Parties



What's this about a Pledge?

- We are asking residents to Pledge to Reduce their Home Energy Use
- We'll provide the checklist of actions
- You could WIN!!



WE RECOMMEND COLLECTING YOUR UTILITY (ELECTRIC AND GAS) BILLS FROM THE PREVIOUS YEAR TO MONITOR CHANGES IN YOUR MONTHLY ENERGY USE AS YOU IMPLEMENT YOUR CHECKLIST

PLEASE CHECK THE APPROPRIATE BOXES BELOW

- 1 REBATES AVAILABLE
- 2 TAX CREDITS AVAILABLE

FORTZED COMMUNITY ENERGY Challenge

TAKE IT TO ZERO

000000

LEVEL ONE

BEGINNER PLEDGE

COMPLETE AT LEAST 10 out of 15 ACTION ITEMS

- 1 INSTALL WEATHERSTRIPPING on exterior doors and windows
- 2 ADJUST THERMOSTAT to 78°F in summer and 68°F in winter
- 3 REPLACE incandescent LIGHTS with CFLs or LEDs
- 4 LOWER hot water HEATER TEMPERATURE to 110°F
- 5 CLEAN your REFRIGERATOR COILS
- 6 SET your REFRIGERATOR to no less than 38°F and the freezer to no less than 5°F
- 7 RUN your DISHWASHER only when full, turn off the heated dry cycle.
- 8 LET the SUN SHINE IN during winter, and use blinds or window coverings during summer
- 9 INSTALL MOTION SENSORS on outdoor porch lights
- 10 TURN OFF LIGHTS when not in use
- 11 OPEN WINDOWS at night and close during the day for natural cooling
- 12 USE a POWER STRIP when turning off computers, TV, stereos & appliances
- 13 ENABLE the POWER MANAGEMENT FEATURES on your computer
- 14 REPLACE -or- CLEAN the FILTER on your furnace monthly
- 15 SIGN UP a NEIGHBOR to take the FortZED Community Energy Challenge pledge.

To learn more about how to implement the actions on your checklist, and the rebates and incentives available visit WWW.RECHARGECOLORADO.COM

LEVEL TWO

INTERMEDIATE PLEDGE

COMPLETE AT LEAST 5 out of 11 ACTION ITEMS

- 1 SCHEDULE a low-cost HOME ENERGY AUDIT for only \$60, contact Fort Collins Utilities
- 2 INSTALL & ACTIVATE a PROGRAMMABLE THERMOSTAT
- 3 REPLACE an older COMPUTER, MONITOR or TELEVISION with an ENERGY STAR® qualified model
- 4 BUY ENERGY STAR REFRIGERATOR, CLOTHESWASHER or DISHWASHER 1
- 5 RECYCLE a second REFRIGERATOR or FREEZER 1
- 6 PLAN & MODIFY LANDSCAPING to shade home in summer
- 7 GET a "Check-ME" AIR CONDITIONING TUNE UP in the spring 1
- 8 CHECK OUT an ENERGY METER from the library to measure energy use of appliances and electronics +
- 9 AIR DRY CLOTHES on a line
- 10 PURCHASE LOCAL OFFSETS via the Colorado Carbon Fund
- 11 APPLY for an ENERGY STAR MORTGAGE or refinance

Take it TO ZERO

LEVEL THREE

ADVANCED PLEDGE

COMPLETE AT LEAST 3 out of 14 ACTION ITEMS

- 1 INCREASE/IMPROVE your home's INSULATION 1+
- 2 HAVE your home professionally AIR SEALED to reduce infiltration 1+
- 3 INSTALL HIGH EFFICIENCY WINDOWS 1+
- 4 INSTALL a whole HOUSE FAN for summer cooling 1+
- 5 SEAL & INSULATE all AIR DUCTS 1+
- 6 INSTALL a tubular SKYLIGHT for natural day-lighting 1+
- 7 INSTALL ENERGY STAR or HIGH EFFICIENCY FURNACE 1+
- 8 INSTALL a HIGH EFFICIENCY FURNACE MOTOR 1+
- 9 INSTALL a HIGH EFFICIENCY HOT WATER HEATER 1+
- 10 INSTALL SOLAR THERMAL DOMESTIC HOT WATER SYSTEM 1+
- 11 INSTALL SOLAR SPACE HEATING SYSTEM 1+
- 12 INSTALL SOLAR ELECTRIC PHOTOVOLTAIC SYSTEM 1+
- 13 INSTALL ground source HEAT PUMP 1+
- 14 INSTALL small wind GENERATOR 1+

Join more than 6,200 households in the ultimate COMMUNITY ENERGY CHALLENGE. Your commitment will bolster the entire community's energy conservation and efficiency as Fort Collins seeks to establish a Zero Energy District. Find your habitat on the map, track down your pack leader, and take the pledge to help reduce your territory's net energy consumption.

WWW.FORTZEDCHALLENGE.COM

USERNAME

PASSWORD

What is a Volunteer a Ranger?

- Complete a 2 hour training
- Help Spread the Word
- Get new pledges
- Organize House Parties
- Build Community
- Win Prizes!!



Could I Host a House Party?

May 20th FortZED Challenge House Parties

- Invite your neighbors
- Show how you're saving energy
- Share resources
- Encourage an open exchange of ideas



TAKE THE PLEDGE

 Search

RANGER SIGN IN

Email

Password

Sign me in

ENERGY SAVING TIPS

1. Install Weather Stripping
2. Schedule a Home Energy Audit
3. Improve your Home's Insulation

See [CHECKLIST](#) for more energy saving tips and [LEARN MORE](#)

FortZED Community Energy Challenge

STEP 1: PLEDGE TO REDUCE YOUR HOME ENERGY USE

See the [Checklist](#) of actions!

STEP 2: SELECT YOUR PACK

STEP 3: REGISTER

STEP 4: PRINT YOUR CHECKLIST

I'M READY TO TAKE THE PLEDGE

....click on the map below to move on to Step 2!



THE HUB

UPCOMING EVENTS

See [CALENDAR](#) for all events

Announcing On-Campus
CSU EVENTS!

Upcoming **VOLUNTEER TRAININGS** and how to **BECOME A RANGER!**

CONTEST UPDATE

What did we just talk about?

- We're creating a net-zero energy district
- You can help
 - Take the Pledge – Register Online!
 - Help Spread the Word
 - Host a House Party
 - Volunteer as a Ranger
 - Find us on Facebook FortZED Challenge!

Thank You!

Ariana Friedlander

afriedlander@atmosphereconservancy.org

www.FortZEDchallenge.com

www.atmosphereconservancy.org

For more info about FortZED

www.FortZED.com

