



NETZEROVERMONT

A Connector for Real Change

**Getting to Net Zero Communities:
BTV, Montpelier, Vermont and
Samso, Denmark**

VECAN 2016

**Sustainable Montpelier 2030
Design Competition**

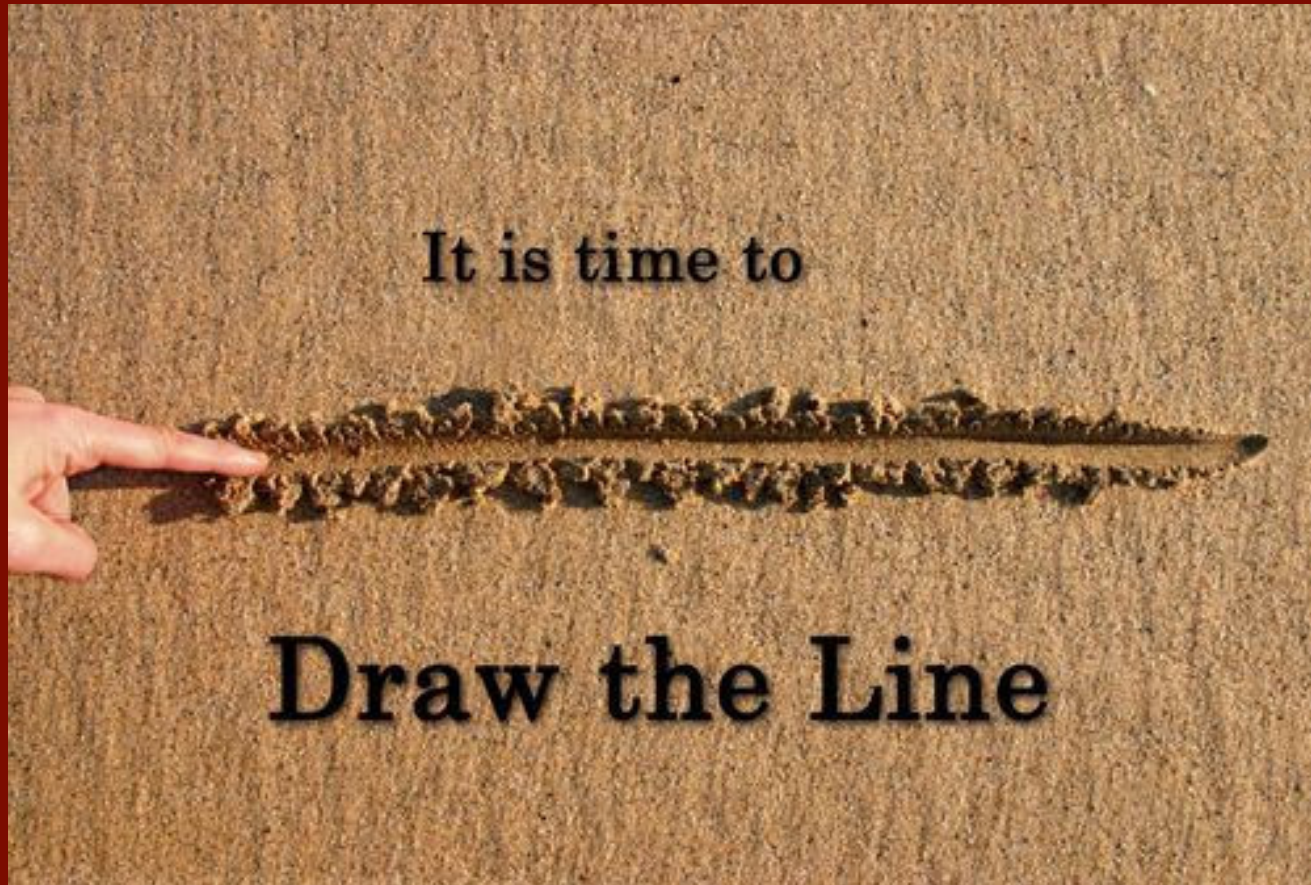
About



...is a 501c3 non-profit, advancing projects with a shared vision for vibrant, people-centered downtowns and transforming transportation and energy systems to low carbon alternatives

Fossil free economy -- Self sufficiency → Feeling proud

In 2014, Montpelier set a goal ...
to be Net Zero by 2030!



The Problem: The parking (in red) in Montpelier



Thank you to our corporate sponsors...



Unique Approach

“Visualize and Imagine”

Proposal, fundraise \$\$

RFP and Timeline

Pop-up Gallery & Accept Public Opinions

Expert Panel -- Evaluated on merits

→ teams advanced to finals

Imagining the future “Montpelier 2030”

Sustainable Montpelier

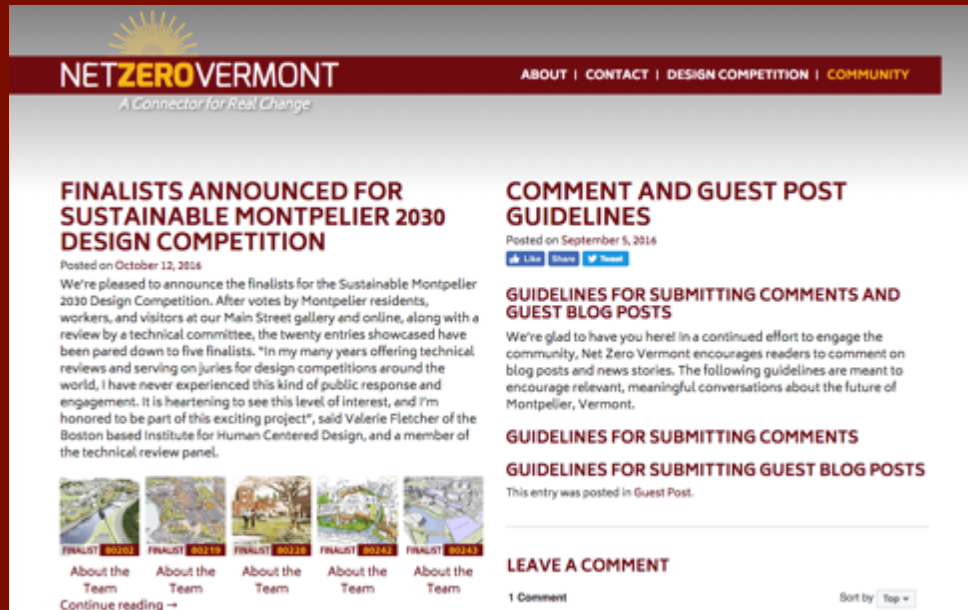
NZV launched a design competition.

Wonderful response

27 Teams Register



Website and Social Media



Pop-up Gallery -- Visible Main Street Vacant Storefront

YOU'RE INVITED

HELP IMAGINE THE FUTURE OF MONTPELIER


Vote on your favorite design concepts

OCT 3, 4 & 5 • 10 am to 7 pm
62 MAIN STREET
(formerly One More Time)

Learn more at www.netzerovt.org

NETZEROVERMONT www.netzerovt.org

SPONSORS



VIP Reception



TECHNICAL REVIEW PANEL ANNOUNCED



5 Team Finalists



FINALIST 80202



FINALIST 80219



FINALIST 80228



FINALIST 80242



FINALIST 80243

Scott + Partners Architecture Essex Junction

Bridges Cabot

White + Arup *Stockholm, Sweden*

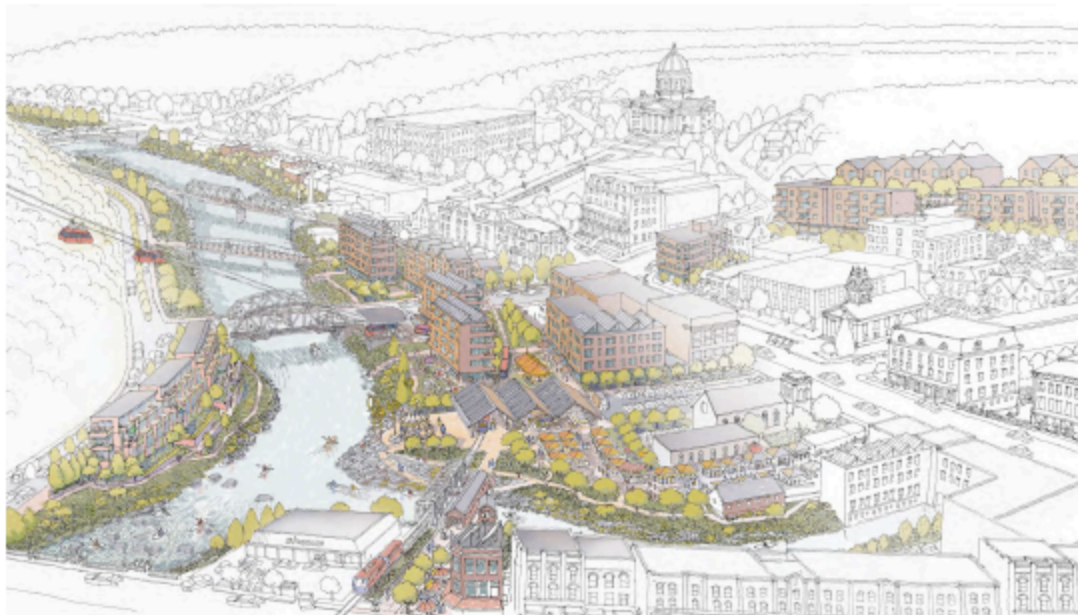
Gossens and Temkin Montpelier

Wiemann Lamphere Colchester

Gather the public opinions!?



Visioning, public excitement grows...



Farmers Market and Riverside Park

Here is Montpelier's new civic space, where you can shop for local produce and food products, enjoy the riverfront, ride the carousel, and catch a streetcar. Downtown is a short walk or bike ride via the new bridge over the North Branch River. People working at National Life can board the aerial tram and be downtown in minutes without using a car. And the new Taylor Street neighborhood is right next door.



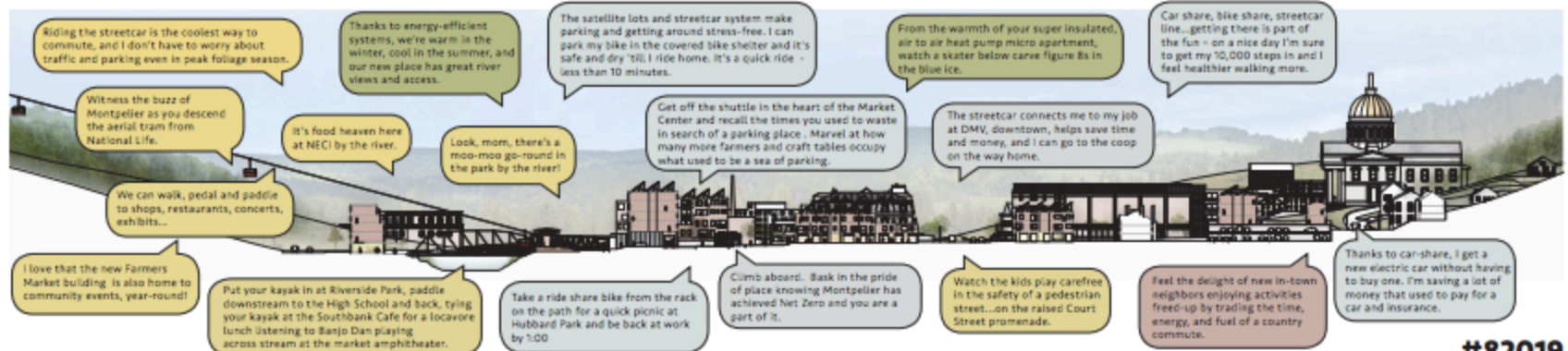
Riverside Park

- Riverbanks along North Branch (and Winooski) offer many recreational amenities.
- Riverside Park brings nature to daily life—seasonal kayaking, fishing, walking, relaxing.
- Adjacent bike path and streetcar, and nearby aerial tram make "getting there" fun.



Taylor Street Transportation Center

- Taylor Street is new gateway to Montpelier, and meeting place for civic and commercial goings-on.
- Taylor Street transportation center realizes potential, offering many forms of transit.
- Ground floor shops in new residential buildings, aerial tram arriving from National Life, and streetcar line.



IN THE LOOP

celebrating the flow

Our vision for Downtown Montpellier is to create an urban design strategy for the local community through a series of innovative solutions by using a model that rises beyond Net Zero towards a level we call Net Zero+.

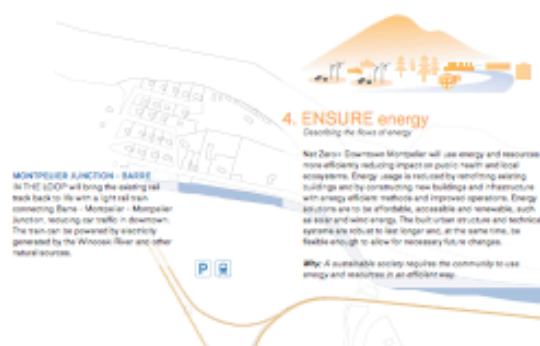
A true sustainable future stretches beyond energy efficiency and renewal; it is focused on people, by inspiring a sustainable way of life that ensures well-being.

Our proposal is based on the Scandinavian model that is defined by being Inclusive, Equitable, Robust and Adaptive to meet and allow for future change benefiting the community of Montpellier for generations to come.

A sustainable community lives in harmony with the surrounding nature and its assets, celebrating the flow.

The formulated goals, represented in the loop, are a starting point for a successful and holistic development vision, strategy and process.

... let's get in the loop.



about green public space in Montpellier



TOGETHER TOWARDS

Net Zero+ Downtown Montpellier 2030 will require consistent innovation and most of all, collaboration. The proposal IN THE LOOP places the community of Montpellier at the center of design, ensuring a single sustainable future for Montpellier and also inspiring cities across the U.S. and worldwide.

NET ZERO+ MONTPELIER

Net Zero+ Downtown Montpellier, a robust urban design, by which innovative small scale projects are adaptive to meet and allow for future change to ensure the well-being of the community of Montpellier for generations to come.

RADICAL, PIONEERING

The proposed evolution is locally informed but strategically driven.

AROUND THE BRIDGES

The proposal provides new program and usage of time from the river to celebrate the river and its value to Montpellier.

STATE STREET LOOP

The proposal establishes strong connections to the river from State Street for a coherent urban plan.

WINDOOS RIVER PARK

The inclusion of civic and cultural uses within the river corridor provide multiple destinations with shared experiences.

DOWNTOWN LIFE

Reactive program within the center of Montpellier ensures a vibrant downtown.

3. EMBRACE nature

Describing the integration of city and nature.

We need nature for our survival. So, a sustainable community requires an effective usage of energy and resources to reduce the impact on nature. IN THE LOOP embraces nature, providing access and use of surrounding natural environments and waters and integrating nature into the design to include in everyday life.

Why: An ecological balance is a prerequisite for our social prosperity for people to live, flourish and develop.

ID 80228



1. CELEBRATE Montpellier

Describing the urban character and identity.

The vision for a Net Zero+ Downtown Montpellier aims to establish a vibrant, dynamic and diverse community, making of space, destination and home. It is a livable and inclusive, providing opportunities for all to live, work and play building upon and celebrating what makes Montpellier unique. The proposal is "reflexive by design" characterized by efficient new buildings, renovated existing buildings and improved operations to reduce energy consumption.

Why: Identity increases the sense of belonging and caring for the city while a clearer multi-functional urban fabric provides proximity, accessibility and diversity.

2. ENGAGE in urban life

Describing the open public space and connectivity.

Public space generates life in the urban environment. IN THE LOOP ensures a diversity of public space in the urban fabric, integrated with an efficient transportation network consisting of pedestrian, bicycle and shared transportation. The well designed public space and efficient network provide easy access for all people improving operations to reduce energy consumption.

Why: The space between buildings is what makes a city, enabling social interaction and movement in a safe environment.

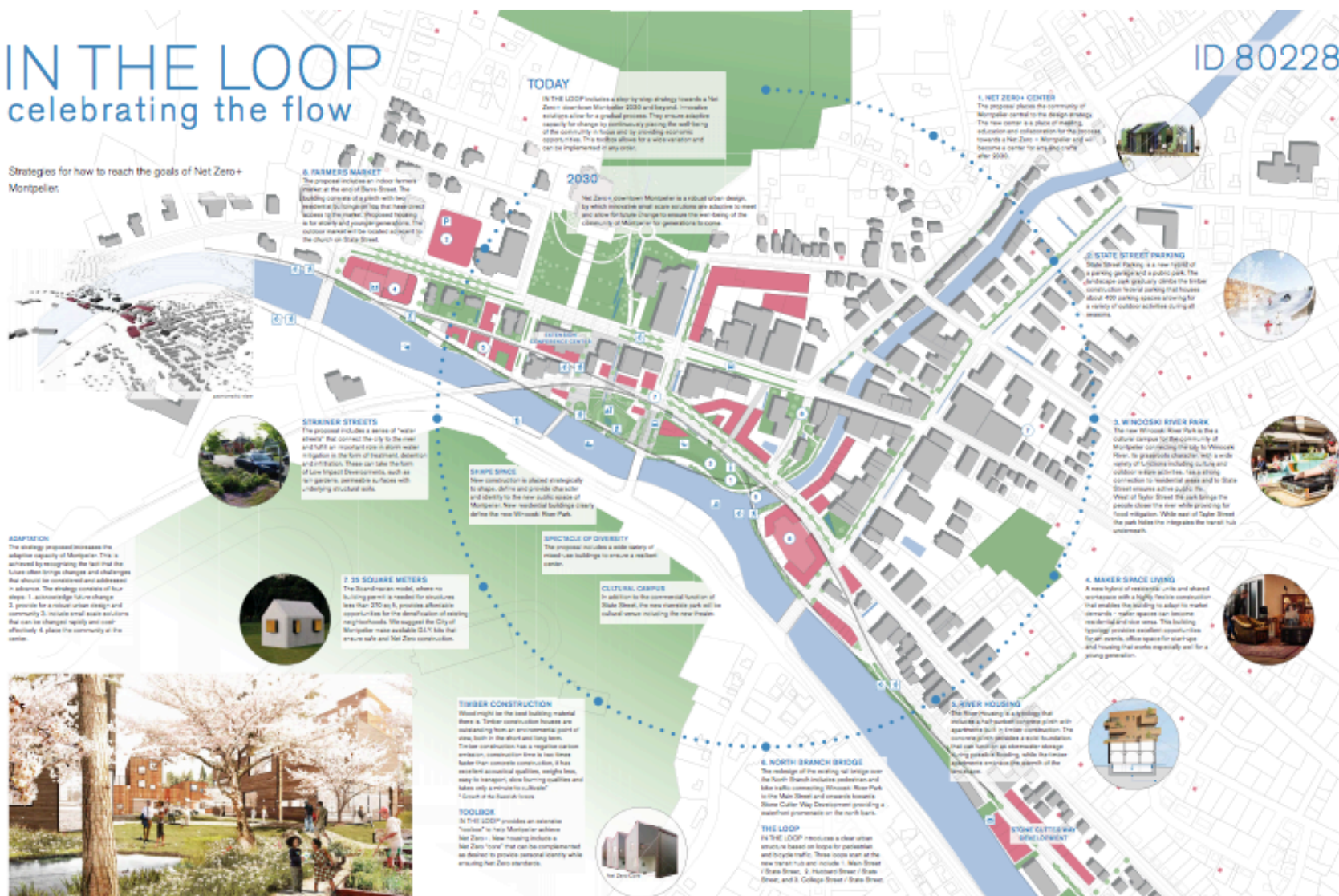
LIGHT RAIL TO SAIRRE

IN THE LOOP

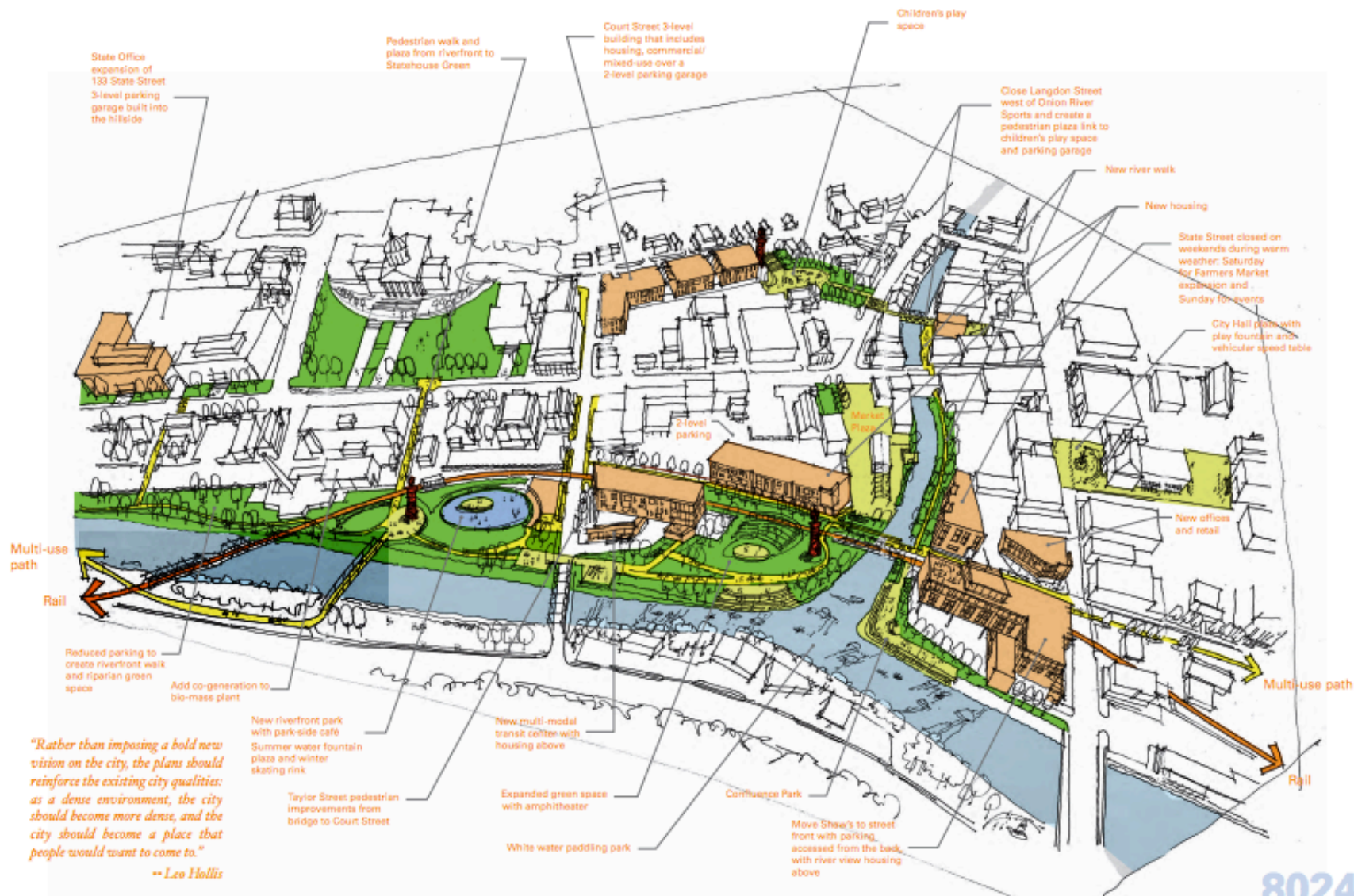
celebrating the flow

ID 80228

Strategies for how to reach the goals of Net Zero+
Mortimer



Community gathering at the new park



Can we re-imagine Montpelier, infill and integrated transportation system?



Existing rail line is spine of 21st Century Montpelier

- Streetcar service on existing rail line connects satellite parking lots outside downtown area.
- New residential neighborhoods—downtown, Sabin's Pasture, and National Life (connected to Taylor Street transportation center by aerial tram).

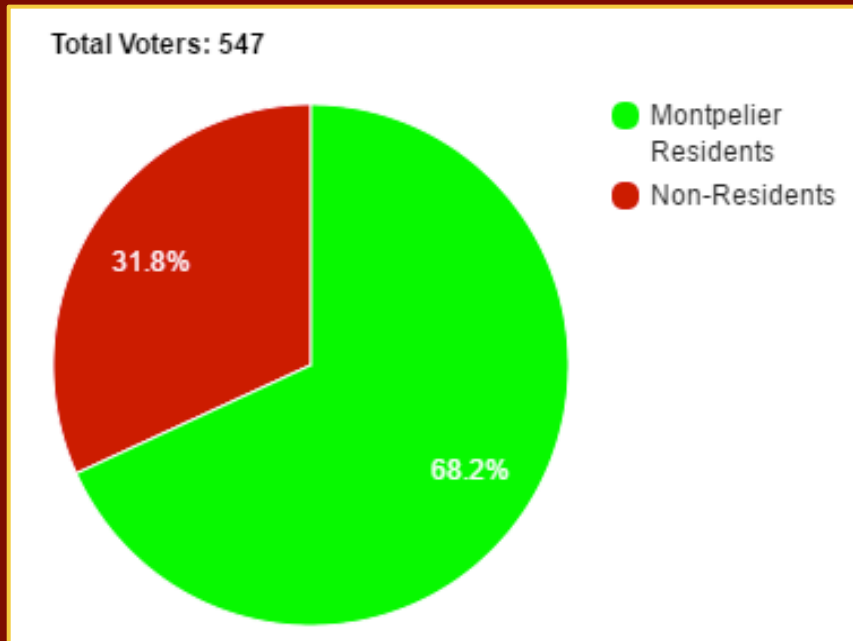


Montpelier's new downtown residential neighborhood

- Nearly 1,000 new residential units along both sides of Winooski River, flanking Taylor and along Court streets.
- Banks of the Winooski and North Branch rivers provide views and recreational access.
- Existing location of farmers market is enhanced by adding year-round multi-purpose pavilion.

Public Opinion Results

Over Three Days....



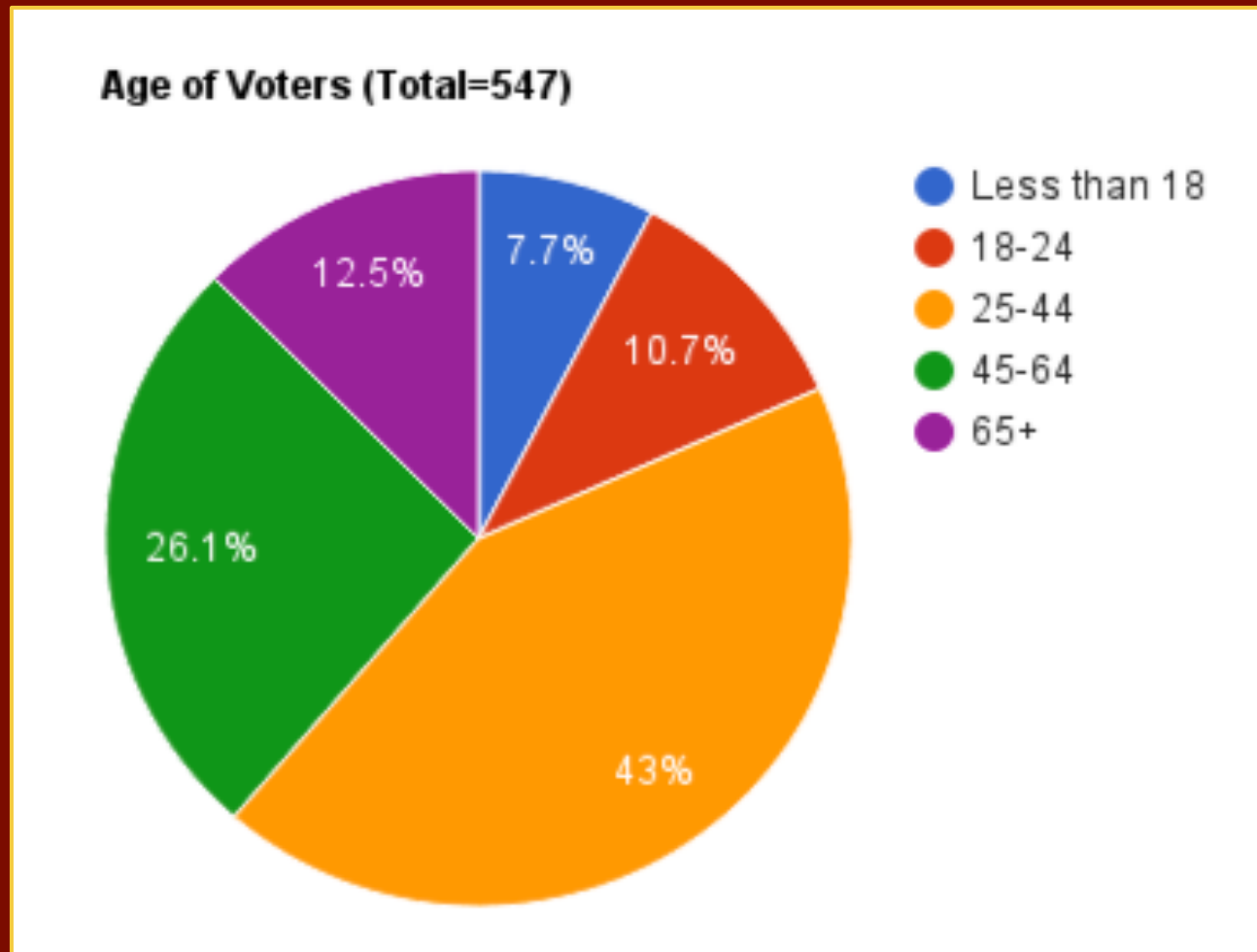
500+ Walk-ins, plus

300+ votes online.

Choose your 5 favorite designs!



What are the ages of the voters?



Voter Opinions...."What matters..."

River and Water Access, More Green spaces	119
Improved Transportation System <i>(i.e. walking, biking, transit and relocate parking)</i>	113
Expanded Downtown Housing	67
Renewable Energy	21
Environmental Impacts top priority	21
Other <i>(access, few cars, storm water, no hi-rises)</i>	500+
TOTAL	841+

Next Steps--Working Together for Change

Partners—Conducting mtgs.

Sponsors—Con't engagement

Holistic and integrated approaches

Key: Cooperation and collaboration

Next on Schedule

DECEMBER



5 Team Finalists Submit on 12/16

JANUARY 7

Public Presentation – Saturday 1/7

Pavilion Auditorium – 2:30 p.m.

Online Public Voting

Press Conference -- 1/18/17 at 11:30 a.m.

\$10,000 Award Winner Announced

Post Design Competition...



Turning shared vision into Action!

Montpelier Master Plan & future policies

Road show--development community

State cooperation -- embrace new ideas

Working together -- to advance projects

Sharing results, tech transfer, inspiring others

Thank you!



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