

Three HubTowers

A net zero city should be proud and show it. We propose 3 Hub Towers as symbols of this accomplishment. In true net zero fashion, nothing is done gratuitously. Our Hub Towers provide public toilets, bicycle parking, bicycle repair stations, electric charging stations, drinking fountains and fully accessible observation platforms. Each tower will include PV awnings and a small sculptural wind turbine. The towers are located in significant public place intersections and in a manner that is a visual reminder of our community commitment. They are a blend of the beautiful and practical, the essence of net zero!





Four Strategies

Consolidation - Place making - Engaging - Knitting

Consolidation of parking

Court Street (State of Vermont & private) Potential Parking = 340 spaces Potential Building, 3 levels = 46,500 sf

133 State Street (State of Vermont) Potential Parking = 160 spaces Potential Building, 5 levels = 120,000 sf

Capital Plaza site (private) Potential Parking = 90 spaces Potential Building = 63,000 sf

Place making

Space within the city is enhanced and recaptured for public use, performance, market space, and

Engaging with the rivers

By recapturing land for public use community activities can engage the river edges.

Knitting places together

New paths, primarily for pedestrians, bicycles, and the People Mover provide easier connections between functions in the city core.

How to add more housing

Increasing population without disrupting the urban fabric

Desire: Create 1,000 additional housing units downtown.

Reality: If we desire to maintain our existing City character, large-block housing structures will not work. Large housing developments are also dependent on significant private development in an economically difficult environment.

Solution: We propose a nuanced and diverse approach to housing creation. Our design includes appropriately scaled new construction downtown including small-scale downtown infill development, one and two family infill development in our beautiful neighborhoods and a program of accessory dwelling units (ADU's) in existing larger-than-needed homes. This approach allows for development at many scales for larger and small development firms as well as individual property owners. Introducing the income from ADU's will also help with maintaining affordability for private homeowners.

Housing in proposed buildings = 350 new units

Shaw's site = $4 \times 19,000$ sf North Branch site = $4 \times 6,400$ sf Capital Plaza site = $3 \times 21,000$ sf One Taylor Street site = $3 \times 13,000$ sf Langdon Street site = $3 \times 4,000$ sf Other downtown sites = 220 new units

Accessory Dwelling Units (ADU's) = 100 new units There are 480 existing large (\geq 2500 square feet) homes within a 15 minute walk of downtown. If 20% of these added Accessory Dwelling Units that would provide 100 new housing with minimal impact on the existing infrastructure or energy use profile of the City. And, this provides an additional income stream for homeowners.

Infill sites = 115 new units

Within a 15 minute walk of downtown there are infill development sites enough to accommodate 115 units of housing while keeping the existing neighborhood scale and character. **Barre Street Enterprise Zone = 200 new units**

A neighborhood in Sabin's Pasture = 140 new units A new neighborhood can be developed in Sabine Pasture, as multiunit dwellings, to accommodate 140 new units of housing while still preserving a significant portion of the landscape for public use, tillable land for food production and green houses.

1,125 new homes developable within a 15 minute walk of downtown

140 units 28 units 120 units 45 units 17 units





A Four Season City

We live in a diverse climate and embrace the four seasons. Unfortunately many Cities do not take advantage of the seasons, especially winter. All of our public spaces and energy modeling take into account seasonal changes in a manner that brings out the best in each. The proposed public spaces are located in areas that take advantage of views, sun orientation, prevailing wind patterns and seasonal attributes. Our Market Place and Riverfront Park especially are designed to embrace winter and encourage out of doors interaction, recreational activities for all ages as well as providing business opportunities. The Market Place plaza transitions from a full scale outdoor market in the spring, summer and fall to a winter recreation plaza including a sloped sledding run, ice sculpture gallery, snow structure and canopied ice bar/café. The indoor portion of the market will function year round.

Surface parking *removed*

behind state buildings along State Street Large river front state lot Heney lot French Block/Jacobs lot City Hall lot Post Office lot County Court lot

-125 spaces -170 spaces -70 spaces -50 spaces -24 space -32 spaces -22 spaces

493 spaces removed

Parking spaces added

Court Street garage 133 State Street garage Capital Plaza garage

+340 new spaces +160 new spaces +90 new spaces

590 spaces created

Net effect: 6.6 acres less paving

290,000 sf of paving removed = **6.6 acres less**

97 new parking spaces added to downtown

360 new parking spaces downtown protected from snowfall in the winter and heat during the summer

