



CHITTENDEN COUNTY RPC
Communities Planning Together

CCRPC Long Range Planning Committee

AGENDA

DATE: Wednesday, January 12, 2016

TIME: **4:00 p.m. to 6:00 pm**

PLACE: CCRPC Office, 110 West Canal Street, Suite 202, Winooski, VT.

1. Welcome – 5 minutes
2. Approve Minutes from December 9, 2015* - 5 minutes
3. ECOS Plan Amendments – 100 minutes
 - a. Updated ECOS Project list (aka CEDS list) with TMDL Wastewater Treatment Plant upgrades*
 - b. Flood Resiliency – *will be sent later*
 - c. Revisions to previously reviewed sections: Earth Extraction, Utilities and Facilities, Child Care, and Growth Relative to Adjacent Regions*
4. Next Meetings – 5 minutes
Needed? - Tuesday, January 26, 2016 from 4pm to 6pm (or February 2, 2016)
Wednesday, April 13, 2016 from 4pm to 6pm
5. Adjourn

*=attached to agenda in the meeting packet

In accordance with provisions of the Americans with Disabilities Act (ADA) of 1990, the CCRPC will ensure public meeting sites are accessible to all people. Requests for free interpretive or translation services, assistive devices, or other requested accommodations, should be made to Emma Vaughn, CCRPC Title VI Coordinator, at 802-846-4490 ext *21 or evaughn@ccrpcvt.org, no later than 3 business days prior to the meeting for which services are requested.



CHITTENDEN COUNTY RPC

Communities Planning Together

CCRPC Long Range Planning Committee

Minutes

Wednesday, December 9, 2015

4:00 p.m. to 6:00 pm

Location: CCRPC Office, 110 West Canal Street, Suite 202, Winooski, VT.

Attendees: Justin Dextrauder (Chair), Bob Henneberger, Jeannine McCrumb, Edmund Booth, Andrea Morgante, Heather Danis, Lisa Falcone, and Jim Donovan

CCRPC Staff: Emily Nosse-Leirer and Regina Mahony

1. **Welcome and Introductions.** The LRPC introduced themselves and explained their affiliations.
2. **Approve Minutes from October 14, 2015.** Bob Henneberger made a motion, seconded by Jeannine McCrumb to approve the minutes from October 14, 2015 with the addition of Lisa Falcone and Charlie Baker as attendees. No further discussion. MOTION PASSED. Jim Donovan abstained.
3. **ECOS Plan Amendments.** Staff review the proposed amendments to the following sections and the LRPC provided comments:
 - a. Growth Relative Adjacent Regions – The LRPC agreed with the draft as written. There was a suggestion that we look at transportation and all hazard mitigation plan sections of the other regional plans as well to see if there are any issues or concerns that should be mentioned.
 - b. Flood Resiliency – The LRPC agreed with the general strategy to incorporate flood resiliency into Sections 2.2.1, 2.3.3, 2.5.4, 3.2.2 and 3.2.3 rather than create a separate section as so much of the flood resiliency element is already included in the Plan. The Plan will also refer to the All Hazard Mitigation Plan that contains much more information regarding this topic. There was a recommendation to bring attention to the fact that we are seeing more flood events, and this is a concept that should be in the ECOS Plan, in addition to the All Hazard Mitigation Plan. It was also suggested that we incorporate the AHMP draft strategies into the existing actions

- under Section 3.2.3, rather than add new actions if possible.
- c. Earth Extraction – There were some recommended text edits and a suggestion to clarify the huge economic value of these resources, and the reality of increasing construction costs as we exhaust them.
 - d. Utility & Facility Section - The LRPC reviewed the revisions to the sections within the Utility & Facility section and had the following suggestions:
 - i. Distinguish between the number of schools and governing bodies (use a map if possible to show the supervisory unions and the school districts); describe the change in legislation that made consolidation easier and describe all efforts (both successful and un-successful) that have taken place since that legislation.
 - ii. Remove reference to bookmobiles in the library section as it is not likely to be complete information. Add that reciprocal agreements exist in all Chittenden County libraries with the exception of Burlington.
 - iii. Add a reference to the Energy Siting Committee’s work and the likelihood of RPC’s further involvement in renewal energy locations in the future to Strategy 2, #4.c.
 - iv. Under Govt/Admin Facilities explain the ratio between volunteer and professional fire and rescue departments and the trouble recruiting volunteers – if not already described in the Plan. Reference the AHMP and add the number of jails. Also explain the merger work going on in Essex and Essex Junction.
 - v. Under hospitals it was recommended that we assess and explain whether we have enough capacity to meet the demand for long-term care, mental health and drug addiction recovery facilities.
 - vi. Throughout these sections it was recommended to simply include a reference to the location of further assessment if it exists within the Plan already.
 - e. Child Care – there was a recommendation to clarify the fourth sentence under the key issues section. It was also recommended to clarify strategies 2 and 3 to more accurately describe what CCRPC or other specific partners are going to do. CCRPC Staff will also review the Blue Ribbon recommendations to determine if we do indeed want to work towards implementation of them.
4. **Next Meetings.** The following list includes the proposed timeline for the remaining LRPC meetings:
Tuesday, January 12, 2016 from 4pm to 6pm
Wednesday, April 13, 2016 from 4pm to 6pm
5. **Adjourn.** The meeting adjourned at 5:35pm.

| DRAFT 2015 ECOS/CEDS Project List | | | | | | | | | | | |
|-----------------------------------|---------------|------------|---|--|---|---|---|----------------------|----------------------|---|--|
| # | ECOS Strategy | EDA goal | Municipality/Sponsor | Project Name (Champion or Partners) | Description/Comments | Estimated Cost | Expected Job Creation (post construction) | Fully Funded Y/N | Priority VITAL/H/M/L | 50% Local Match Source(s) | Possible Start Date |
| 1 | 3.2.1 | 4.2.5.8.i | GBIC | Industrial Infill Sites (IBM) | Master planning and preliminary approval of new industrial sites, part of an existing industrial campus, to accommodate future job growth of value added employers. Also keep an inventory of available sites. | \$100,000 | 1,000 | N | VITAL | \$25,000 ECOS grant and GBIC funds | completed |
| 2 | 3.2.1 | 4.2.5.8.iv | Lake Champlain Regional Chamber of Commerce | Chittenden County After School Aspirations Program/ASAP (GBIC, Lake Champlain Workforce Investment Board, Boys and Girls Club of Burlington, Linking Learning to Life, Sara Holbrook Community Center, King Street Center, Community College of Vermont, and many businesses) | The project partners will design and implement a replicable and sustainable after-school curriculum for at-risk youth in grades 8-12 that will assess their interests and skill levels, raise post secondary education aspirations, expose them to the fields of science, technology, engineering and math (STEM), and prepare them for viable careers in Chittenden County. | \$45,279 | 0 | Y | VITAL | \$40,000 ECOS Grant, LCRCC funding | 2013 |
| 3 | 3.2.1 | 4.2.5.8.iv | GBIC | Innovate Vermont | GBIC is working with the State of Vermont, the University of Vermont, and the Vermont Technology Council to produce a virtual front door for entrepreneurs called "Innovate Vermont." The intent is to create an online portal for entrepreneurs and innovators to find programs, resources, and services across many different needs and throughout Vermont. | \$25,000 | TBD | Y | VITAL | GBIC funds | ongoing |
| 4 | 3.2.1 | 4.2.5.8.i | Burlington | Redevelopment of King Street Dock Site / Ferry Yard Relocation (CEDO) | Relocation of maintenance yard, and redevelopment of King Street dock site and ferry terminal - mixed use development | \$60-65,000,000 | 75-200 | N | VITAL | TIF, public/private partnership | 2014 |
| 5 | 3.2.1 | 4.2.5.8.i | Burlington | Pine Street Corridor Redevelopment (CEDO) | Ongoing work with businesses along Pine St (Sondik, Noyes, Champ, Choc., Dealer and others). Individual Projects may be funded by private businesses. Complete street improvements would be publicly funded. | TBD for private projects, \$10,000,000 for complete streets | 250 | Y | H | Municipal | Ongoing |
| 6 | 3.2.1 | 4.2.5.8.i | Burlington | Town Center Mall redevelopment | Mixed use redevelopment | \$60-80,000,000 | 20-200 | N | H | TIF, public/private partnership | In Progress |
| 7 | 3.2.1 | 4.2.5.8.i | Colchester | "Branding" Colchester | #1 Priority for Town | \$50,000 | 0 | Y | H | 100% | In Progress |
| 8 | 3.2.1 | 4.2.5.8.i | Colchester | Colchester Strategic Economic Development Plan Implementation | Implement recommendations of the 2012 Colchester Economic Development Plan | \$16,000 | 0 | Y | H | 100% | In Progress |
| 9 | 3.2.1 | 4.2.5.8.i | GBIC | Chittenden County Economic Resource Center (GBIC) | A non-profit economic and planning support resources center anchored by GBIC with co-location by CCRPC, CCMPQ, LCRCC, VT SBDC, VMEC, VEDA, and other related non-profits | \$4,000,000 | TBD | N | H | Cynsure | ongoing |
| 10 | 3.2.1 | 4.2.5.8.iv | GBIC | Chittenden County Career Fair (7Days, UVM, VSC) | Explore developing an annual, county-wide Career Fair that expands on Tech Jam work. Expose High School Freshmen and Sophomores to the jobs available in the County at all major employers, salaries of those jobs, skills needed to obtain those jobs, and classes needed to obtain those skills. An intention of this Career Fair should be to demonstrate to the region's future workforce that there are good jobs available paying good wages. | \$6000 | 60 | Y | H | GBIC Funds; local businesses; business organizations | 2013 |
| 11 | 3.2.1 | 4.2.5.8.i | Colchester | Biotechnology Research Park/Incubator | Exit 16 center of UVM life science research center, Vt Health Dept Laboratory, and Albany College of Pharmacy also a research facility | \$10,000,000 | Depends of company - from 10 to 100 | N | M | No funding yet. Will seek grants for emerging technologies being developed. | TBD |
| 12 | 3.2.2 | 4.2.5.8.vi | Hinesburg | New water service | Two new wells on the Wainer property located off of Shelburne Falls Road, along with the first municipal nanofiltration treatment system in Vermont. To address current needs and water quality concerns. Another source still needed for projected demand. | 1,175,000 | TBD | Y | VITAL | Municipal Water Enterprise Fund | In Progress - construction start December 2015 |
| 13 | 3.2.2 | 4.2.5.8.ii | Burlington | Railyard Enterprise District (CEDO) | Develop and build out new street grid including bike/ped/, mixed use, greenspace and connections to the lake and bike path. | \$10-30,000,000 | TBD | Y for planning phase | VITAL | Various options | 2012 |
| 14 | 3.2.2 | 4.2.5.8.vi | Burlington | Marina Expansion and Long-term Improvements (Parks) | In conjunction with Plan BTV, the Parks Master Plan, and an assessment of the existing Boathouse, opportunities to improve/renovate/replace the Boathouse, increase transient boater slips, and improve land side amenities should be considered. | \$2-3,000,000 | 10 | N | VITAL | TIF | 2014 |
| 15 | 3.2.2 | 4.2.5.8.vi | Burlington | Redevelopment of 453 Pine (CEDO) | Redevelop Brownfield at 453 Pine St to allow growth in the South End. Possible inclusion of solar array | \$6-12,000,000 | 100-300 | N | VITAL | Private equity | 2013 |
| 16 | 3.2.2 | 4.2.5.8.vi | Shelburne | Form-based code on Shelburne Road | North of the Village | \$70,000 | 0 | Y | VITAL | State, CCRPC, Local | In Progress |
| 17 | 3.2.2 | 4.2.5.8.vi | South Burlington | Pathway to Sustainability (Chamberlin School, Pomerleau Real Estate, Green Mountain Power, Encore Redevelopment, Efficiency Vermont, South Burlington Realty, Dorset Street Associates, LLC., Llewellyn-Howley Incorporated, Hayes Avenue Homeowner Associations, and the Farm at South Village) | The overall project includes a series of initiatives to support, develop, and create a community that will be a leader in sustainable food production, housing, transportation, energy efficiency, natural resource protection, transit oriented development, residential quality of life and economic growth. Specifically, ECOS funding is supporting an overhaul of the City's Land Development Regulations, with a special focus on Form Based Codes, to implement the goals of ECOS and the City's Path to Sustainability. | \$202,000 | 0 | Y | VITAL | \$50,000 ECOS grant, City funding | In Progress |
| 18 | 3.2.2 | 4.2.5.8.ii | VTrans, CCRPC | transportation projects | federally eligible transportation investments are included by reference in this list and can be found in the MTP Section 4.x.x. TIP Projects are VITAL. | ~\$30,000,000 annually | 125 | Y | VITAL | FHWA, FTA, VTrans, Muni | 2013 |

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| # | ECOS Strategy | EDA goal | Municipality/Sponsor | Project Name (Champion or Partners) | Description/Comments | Estimated Cost | Expected Job Creation (post construction) | Fully Funded Y/N | Priority VITAL/H/M/L | 50% Local Match Source(s) | Possible Start Date |
| 19 | 3.2.2 | 4.2.5.8.vi | Essex Junction | Sewer Treatment Plant Refurbishment | Plant is \$15M and pump station \$1.3 | \$16,300,000 | 1 | Y | H | State Revolving Loan fund eligible | completed |
| 20 | 3.2.2 | 4.2.5.8.vi | Hinesburg | Extension of 3-phase power | to South Hinesburg along VT116 by Green Mountain Power. Job creation possibly substantial, service extension to existing industrial district with ample build out potential. | TBD | TBD | N | H | From Utility Provider (GMP) and destination Industrial District Businesses | TBD |
| 21 | 3.2.2 | 4.2.5.8.ii | Burlington | Burlington Bikepath (Parks and CEDO) | Reconstruct and enhance 7.5 mile bike path | \$17,000,000 | 25 to 50 | N | H | \$2.7M TIF, EDA, Municipal, Other TBD | In progress? |
| 22 | 3.2.2 | 4.2.5.8.ii | Burlington | Cherry Street Streetscape - Phase 1 | Creating walkable environment and links between the waterfront and Church Street Marketplace | \$1,500,000 | 0 | N | H | TIF, CCTA | 2015 |
| 23 | 3.2.2 | 4.2.5.8.ii | Burlington | Side Streets Project (CEDO) | Expand amenities of CSMP to more of the downtown district. Add connectivity to waterfront from CSMP. Stimulate downtown business growth. | \$28,000,000 | TBD | N | H | TIF and other grants, BID | 2013-25 |
| 24 | 3.2.2 | 4.2.5.8.iii | Burlington | Urban Reserve Planning and Redevelopment (CEDO) | Develop new conservation map that includes a land use/land cover analysis. | TBD | TBD | N | H | TIF, Conservation Legacy Fund | 2013 |
| 25 | 3.2.2 | 4.2.5.8.iv | Burlington | General utility upgrades in waterfront district | Water, sewer, lighting, electrical, conduit, telecommunications upgrades to prepare sites for development and enhanced public space. | \$6,500,000 | 0 | N | H | TIF | 2014 |
| 26 | 3.2.2 | 4.2.5.8.vi | Burlington | North Beach Emergency Access Road Improvement (Parks) | Renovation of roadway to better accommodate emergency vehicle access to North Beach Campground | \$300,000 | 0 | N | H | TBD | TBD |
| 27 | 3.2.2 | 4.2.5.8.vi | Burlington | Gateway Block Redevelopment (CEDO) | Redevelopment of the Gateway Block at Main and North Winooski. Properties include Memorial Auditorium, Municipal surface lot, motel and firehouse. | \$10,000,000 | 100 | N | H | private/public partnership, TIF Investment | 2014 |
| 28 | 3.2.2 | 4.2.5.8.vi | Burlington | Housing renovation and construction (CEDO) | Ongoing through HOME funds, Lead Program and other initiatives. | \$20,000,000 | 20-100 | N | H | TIF, private/public partnership | Ongoing |
| 29 | 3.2.2 | 4.2.5.8.vi | Burlington | District Heating Plan (CEDO) | Plan to recapture "waste heat" from the McNeil power plant and distribute it to the Old North End of Burlington, a densely populated area within the City. | Feasibility study underway; TBD | 15-50 | N | H | \$140,000 grant and in-kind to pay for study | 2012 |
| 30 | 3.2.2 | 4.2.5.8.vi | Burlington | Moran Plan/Waterfront Redevelopment (CEDO) | To redevelop one of the last parcels/vacant buildings on the shores of Lake Champlain in downtown Burlington. The Moran plant has been vacant for decades and the city is now working to develop a private/public partnership to renovate the facility. | \$21,000,000 | 60-80 | N | H | \$2M Section 108 Loan; \$1.3 Million in Historic Tax Credits; \$1.5 Million in Grants, TIF | 2013-14 |
| 31 | 3.2.2 | 4.2.5.8.vi | Burlington | Grocery Store site in South End. (CEDO) | Working with brokers and local grocery store to find a suitable location in the south end of the city. Discussions are currently underway. | \$3-10,000,000 | 100 | N | H | Private equity | In Progress |
| 32 | 3.2.2 | 4.2.5.8.vi | Burlington School District | Burlington High School Renovations | to meet 21st century learning needs, such as electrical outlets and capacity, wireless infrastructure, smart boards and projectors. | \$5 million to start basic upgrades; \$80 million for complete renovations | 0 | N | H | Local | 2014 |
| 33 | 3.2.2 | 4.2.5.8.ii | Burlington, South Burlington | Airport Improvements - South End Development PHASE 6 | Taxiway G Extension, Taxiway B Rehabilitation. | \$9,780,000 | 0 Beyond Construction | N - Depend on FAA reauth. | H | Anticipated 10% Local/State Match Dependent on FAA reauthorization | 2013-2016 Multi-year project |
| 34 | 3.2.2 | 4.2.5.8.ii | Burlington, South Burlington | Airport Improvements - South End Development Engineering Design | General Aviation/Corporate Taxiway & Apron. | \$330,000 | 0 | N - Depend on FAA reauth. | H | Anticipated 10% Local/State Match Dependent on FAA reauthorization | 2013 |
| 35 | 3.2.2 | 4.2.5.8.ii | Burlington, South Burlington | Airport Improvements - Noise Compatibility Program | Noise study and authorization of possible mitigation measures. | \$330,000 | 0 | N - Depend on FAA reauth. | H | Anticipated 10% Local/State Match Dependent on FAA reauthorization | 2014 |
| 36 | 3.2.2 | 4.2.5.8.vi | CCRPC | State/local permitting process and bylaw improvements | Work with municipalities, state agencies and the legislature to encourage development in areas planned for growth. | \$5,000 | 0 | Y | H | municipal match funds | ongoing |
| 37 | 3.2.2 | 4.2.5.8.vi | Charlotte | Alberts Way affordable housing units | Habitat for Humanity. 3 single family homes and 1 duplex = 5 units total. | \$825,000 | \$0 | N | H | \$528,000 | completed |
| 38 | 3.2.2 | 4.2.5.8.v | Colchester | Community Broadband Wireless Technology Access | Totally dependent on private sector initiative. | \$500,000 | TBD | N | H | N/A | In progress |
| 39 | 3.2.2 | 4.2.5.8.v | Colchester | Fiber optic Redundancy in Colchester's 3 economic zones | Private sector initiative - redundancy in place for Rt 15 and Exit 16. | TBD | TBD | N | H | N/A | Underway |
| 40 | 3.2.2 | 4.2.5.8.vi | Colchester | Water Storage Capacity Addition & Expanded Distribution System | Provide necessary fire storage capacity for growth center. | \$1,500,000 | 20 to 300 | 80% | H | 100% | In progress |
| 41 | 3.2.2 | 4.2.5.8.vi | Essex Town | New Police Station, permits design and construction | Construct new Police Station off Maple Street. | \$7,100,000 | 0 | Y | H | Capital Funds and Long term debt | completed |
| 42 | 3.2.2 | 4.2.5.8.vi | Essex Town | Renovate Municipal Office Building at 81 Main Street - planning, design and construction | Expand municipal offices into area vacated by Police and refurbish. | \$1,700,000 | 0 | N | H | Capital Budget and existing Capital Funds | Underway - expected completion Feb. 2016 |
| 43 | 3.2.2 | 4.2.5.8.vi | Jericho | Village water/wastewater | preliminary engineering study to develop options for creating water/sewer infrastructure in Jericho's 3 Designated Village Centers. | TBD | 2 | N | H | TBD | 2015 |
| 44 | 3.2.2 | 4.2.5.8.vi | Jericho | Library improvements | Improve to be ADA compliant and add community center. | TBD | 1 | N | H | TBD | In progress |
| 45 | 3.2.2 | 4.2.5.8.vi | Milton | Milton 4D Streetscape Improvements: Defining Downtown from the Diner to the Dam | this project invests in lighting, street trees, sidewalk improvements, and wayfinding/placemaking signage along US Route 7 in the Town Core. | \$2,300,000 | 50 | N | H | Seek grants, loans, and local funding, TIF | ongoing |
| 46 | 3.2.2 | 4.2.5.8.vi | Richmond | New Water Tower | The steel water storage tank built in 1969 is deteriorating and requires replacement. This is the sole water storage tank for the Richmond water system. Additionally the needs of the water system have changed requiring a larger tank with more elevation. | \$1,500,000 | 0 | N | H | State and Local | In progress of complete? |

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|-----------------------------------|---------------|------------|---|--|--|----------------|---|------------------|----------------------|---|-----------------------------|
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| 47 | 3.2.2 | 4.2.5.8.vi | South Burlington | City Center Development | Assure there is an adequate inventory of "develop-able" sites with the necessary infrastructure to promote retention and expansion of existing firms and the recruitment of new-startup operations in strategic business clusters in the region and workforce housing. | \$88,000,000 | 2,000 | N | H | Property Taxes, TIF, Private | In progress |
| 48 | 3.2.2 | 4.2.5.8.vi | South Burlington | Market Street | Assure there is an adequate inventory of "develop-able" sites with the necessary infrastructure to promote retention and expansion of existing firms and the recruitment of new-startup operations in strategic business clusters in the region and workforce housing. | \$7,200,000 | 111 | Y | H | Fed, Property Taxes, TIF, Private | In progress |
| 49 | 3.2.2 | 4.2.5.8.vi | South Burlington | Community Center | Expanded facility to meet community programming needs | \$7,500,000 | 4 | N | L | Federal / State / Local | 2018 |
| 50 | 3.2.2 | 4.2.5.8.vi | St. George | New Town Center Designation/Master Planning | Village Center master planning is in nascent stage in conjunction w/ ongoing development applications; no funding or professional assistance yet acquired. | \$20,000 | TBD | N | H | municipal funds and grants | 2013 |
| 51 | 3.2.2 | 4.2.5.8.vi | St. George | Expansion of Village Center Municipal Septic System | to enable concentrated growth center. Town has funded feasibility study- construction costs are undetermined (To be based on final design). | TBD | TBD | N | H | municipal funds and grants | 2013 |
| 52 | 3.2.2 | 4.2.5.8.vi | VHFA | Affordable housing program | Assist municipalities with to develop improved bylaws and programs to create more affordable housing. | \$30,000 | 0 | Y | H | ECOS funding | completed |
| 53 | 3.2.2 | 4.2.5.8.vi | Westford | Upgrade/Expand Municipal parking area | provide an adequate number of parking spaces to serve the town office. | \$15,000 | 0 | N | H | Local | in progress - 1/2 completed |
| 54 | 3.2.2 | 4.2.5.8.vi | Westford | Form-based code | for the Village center. | TBD | 0 | Y | H | Local | In progress |
| 55 | 3.2.2 | 4.2.5.8.vi | CSWD, Burlington, Colchester, Hinesburg | Relocate Burlington, Colchester and Hinesburg Drop-Off Centers | Build New Drop-Off Centers. | \$1,300,000 | 1 | N | H | Partially funded | 2015 and Ongoing |
| 56 | 3.2.2 | 4.2.5.8.vi | Essex Junction | Essex Junction WWTF Combined Heat and Power | design and construct improvements to the Essex Junction Wastewater Treatment Facility combined heat and power generation system. | \$750,000 | 0 | Y | H | Fully by Village of Essex Junction | completed |
| 57 | 3.2.2 | 4.2.5.8.vi | CSWD | Develop Business and Location Plan for Drop-Off Center Program | Future Drop-Off Planning. | \$100,000 | 0 | N | H | Not funded. CSWD will match any grant funding. | 2014 |
| 58 | 3.2.2 | 4.2.5.8.vi | CSWD | Study Consolidated Collections - Design System, Develop RFP and Contracts | Consolidated Collections Study. | \$150,000 | 2 | N | H | Not funded. CSWD will match any grant funding. | 2015 |
| 59 | 3.2.2 | 4.2.5.8.vi | Hinesburg | Extension of Natural Gas Service | in Hinesburg up Richmond Road by Vermont Gas. | TBD | 0 | N | M | From Utility Provider (VT Gas) | TBD |
| 60 | 3.2.2 | 4.2.5.8.vi | CSWD | Analysis of Alternative Waste Management Systems | Waste Conversion Study. | \$100,000 | 0 | N | M | Not funded. CSWD will match any grant funding. | 2015 |
| 61 | 3.2.2 | 4.2.5.8.vi | CSWD | Design & Permitting of Regional Landfill | New Regional Landfill in Williston, design on presently hold indefinitely. | \$400,000 | 0 | N | M | \$300,000 budgeted; \$100,000 in grants possibly needed | TBD |
| 62 | 3.2.2 | 4.2.5.8.vi | CSWD | Planning Study for HHW Facility - Future processes and needs | HHW Facility. | \$60,000 | 0 | N | M | Not funded. CSWD will match any grant funding. | 2016 |
| 63 | 3.2.2 | 4.2.5.8.vi | CSWD | Construction of Regional Landfill | New Regional Landfill in Williston, design on presently hold indefinitely. | \$50,000,000 | 4 | N | M | To be borrowed | TBD |
| 64 | 3.2.2 | 4.2.5.8.vi | CSWD | Construction of Special Waste Management System | Special Waste & C&D Facility. | \$1,000,000 | 1 | N | M | Not funded. CSWD will match any grant funding. | TBD |
| 65 | 3.2.2 | 4.2.5.8.vi | CSWD | Study Organics and Biosolids for Future Planning | Organics Study. | \$150,000 | 0 | N | M | Not funded. CSWD will match any grant funding. | 2016 |
| 66 | 3.2.2 | 4.2.5.8.vi | BSD with partners | Downtown parking garage on the campus of Edmunds School for the use of School, Champlain College and the community (BSD) | Underground facility with turf surface above to extend green area for School. Consider parking revenue as one source of funding. | \$6,500,000 | 0-5 | N | M | Not funded - consider revenue bond, public/private funding. | 2016 |
| 67 | 3.2.2 | 4.2.5.8.ii | Burlington | Cherry Street Streetscape - Phase 2 | Creating links from Battery Street at foot of Cherry Street down to Lake Street. | \$23,000,000 | 0-100 | N | M | TIF, public/private partnership | 2014 |
| 68 | 3.2.2 | 4.2.5.8.ii | Burlington | Realignment of Birchcliff Pkwy and Sears Lane | Realigning the roads to facilitate better, safer traffic connections. | \$5-10,000,000 | 0-30 | N | M | ? | 2015 |
| 69 | 3.2.2 | 4.2.5.8.vi | Burlington | City Hall Park (BCA/Parks) | Imagine City Hall Park master planning process completed; park slated for major reconstruction. Stimulate downtown business growth. | \$2,500,000 | TBD | N | M | Penny for Parks (PFP), TIF | 2014 |
| 70 | 3.2.2 | 4.2.5.8.vi | Burlington | Transient Mooring Upgrades (Parks) | Existing mooring field requires upgrades. Expands waterfront economic activity. | \$85,000 | TBD | Y | M | N/A | Spring 2013 |
| 71 | 3.2.2 | 4.2.5.8.vi | Burlington | Perkins Sea Wall Repair (Parks) | Existing wall failed in late summer 2012. Need for reconstruction. | \$75,000 | 0 | N | M | Penny for Parks (PFP) | TBD |
| 72 | 3.2.2 | 4.2.5.8.vi | Burlington | Parks Signage Improvements (Parks) | Installation of improved entry signs & kiosks. | \$20,000 | 0 | Y | M | Penny for Parks (PFP) | Spring 2013 |
| 73 | 3.2.2 | 4.2.5.8.vi | Burlington | Calahan Athletic Field Renovations (Parks) | Soil amendment and field improvement to middle athletic fields. | \$60,000 | 0 | N | M | Penny for Parks (PFP) | Spring 2013 |
| 74 | 3.2.2 | 4.2.5.8.vi | Burlington | Parks System Master Plan (Parks) | Development of a comprehensive parks master plan: inventory, assessment, community outreach, strategic plan. | \$200,000 | 0 | Y | M | Penny for Parks (PFP) | 2013 |
| 75 | 3.2.2 | 4.2.5.8.vi | Burlington | Leddy Arena Renovations (Parks) | Includes renovation of public restrooms, kitchen & snack shop improvements, ventilation & electrical upgrades. | \$165,000 | 0 | TBD | M | Capital Improvement Program (CIP) | 2013 |
| 76 | 3.2.2 | 4.2.5.8.vi | Burlington | Leddy Arena Parking Lot Renovation (Parks) | Existing parking lot deteriorating and in need of major reconstruction. | \$575,000 | 0 | TBD | M | TBD | TBD |

| DRAFT 2015 ECOS/CEDS Project List | | | | | | | | | | | |
|-----------------------------------|---------------|------------|------------------------------|--|---|-------------------------------|---|---------------------------|-----------------------|---|---|
| # | ECOS Strategy | EDA goal | Municipality/Sponsor | Project Name (Champion or Partners) | Description/Comments | Estimated Cost | Expected Job Creation (post construction) | Fully Funded Y/N | Priority VITAL/ H/M/L | 50% Local Match Source(s) | Possible Start Date |
| 77 | 3.2.2 | 4.2.5.8.vi | Burlington | Waterfront North (CEDO) | Providing modern infrastructure to support the northern end of Burlington's waterfront including new road surfaces, sidewalks, streetlighting (increasing multi-modal access and public safety), stormwater, parking, skatepark and undergrounding of overhead utilities. | \$7,500,000 | 0 | Y | M | \$2,000,000 TIF, other small grants and local resources. | In Progress |
| 78 | 3.2.2 | 4.2.5.8.vi | Burlington | Public/Private lighting standards and implementation. (CEDO) | Develop lighting standards for energy efficiency, cost effectiveness and decrease light pollution. Costs for implementation are TBD. | \$20,000 to develop standards | 0 | N | M | BED and other grants. | 2013-25 |
| 79 | 3.2.2 | 4.2.5.8.vi | Burlington | Champlain Parkway Related Development (CEDO) | Identify appropriate development/redevelopment opportunities along Parkway route. | TBD | 0-200 | N | M | Private/public partnerships | 2013-16 |
| 80 | 3.2.2 | 4.2.5.8.vi | Burlington | Intervale Heated Greenhouse (CEDO) | Build greenhouses on Intervale land heated by excess heat from the McNeil Plant. | \$1,500,000 | 40 | N | M | Farm investment | 2015 |
| 81 | 3.2.2 | 4.2.5.8.vi | Burlington | Gilbane Smart Growth Center, Phase III (CEDO) | South End Transit Center - This is an ongoing discussion on how best to utilize the site. | \$65,000,000 | 100-500 | N | M | Private/public partnerships | 2015 |
| 82 | 3.2.2 | 4.2.5.8.vi | Burlington | YMCA | Redevelopment of current site. | \$13,000,000 | 10 | N | M | Capital campaign and donations | Ongoing |
| 83 | 3.2.2 | 4.2.5.8.vi | Charlotte | Community wastewater for Charlotte village | examine feasibility. | TBD | TBD | N | M | TBD | TBD |
| 84 | 3.2.2 | 4.2.5.8.vi | Essex Town | New Waterline to feed Susie Wilson Road, planning, design and construction | New connection with increased pipe size needed to provide adequate fire flows and pressures. | \$190,000 to \$250,000 | 0 | N | M | Water user fees and bond vote | Study completed, will pursue in future years. |
| 85 | 3.2.2 | 4.2.5.8.vi | Essex Town | Sandhill Road Waterline Improvements Planning, design and construction | Increase waterline with 8 inch pipe to replace section of 3 inch piping and add pressure reducing valves. | \$200,000 | 0 | N | M | Water user fees and bond vote | Initial work in progress |
| 86 | 3.2.2 | 4.2.5.8.vi | Huntington | Village wastewater service | study has been completed. | TBD | TBD | N | M | TBD | TBD |
| 87 | 3.2.2 | 4.2.5.8.vi | Richmond | Village Subsurface Project | improve water and sewer lines on E Main and Bridge St. | \$2,100,000 | 0 | N | M | Local, State, Federal Transportation Funding | 2017 |
| 88 | 3.2.2 | 4.2.5.8.vi | South Burlington | City Center Parking Decks | Construct 500 spaces to provide necessary infrastructure to facilitate business and residential development. | \$12,000,000 | 190 | N | M | TIF/Private | 2017 -2019 |
| 89 | 3.2.2 | 4.2.5.8.vi | Westford | Town Salt & Salted Sand Shed construction | protect water resources from salt contamination. | \$250,000 | 0 | N | M | Local | TBD |
| 90 | 3.2.2 | 4.2.5.8.vi | Westford | Westford Community Wastewater (large scale) | to serve the Village center. Follow-up to 2008 wastewater feasibility study. | \$2,200,000 | 0 | N | M | Fed/State/Local | TBD |
| 91 | 3.2.2 | 4.2.5.8.ii | Burlington | Miller Community Recreation Center Sidewalk Improvements (Parks) | Pervious concrete was improperly installed at time of 2009 facility renovation. The pervious concrete has failed, does not drain, and is crumbling. Need for removal and installation of standard concrete. | TBD | 25 to 50 | N | L | TBD | TBD |
| 92 | 3.2.2 | 4.2.5.8.vi | Burlington | Boathouse Public Restroom Renovation (Parks) | Significant leaking has deteriorated existing facilities. Need for renovation. | \$95,000 | TBD | Y | L | TBD | 2013 |
| 93 | 3.2.2 | 4.2.5.8.vi | Burlington | Waterfront Electrical Distribution Design (Parks) | Improvements needed to better support waterfront events. | \$15,000 | 0 | Y | L | Penny for Parks (PPP) | Spring 2013 |
| 94 | 3.2.2 | 4.2.5.8.ii | Burlington, South Burlington | Airport Improvements - South End Development PHASE 5 | Construction of New Cargo Area. | \$5,250,000 | TBD | N - Depend on FAA reauth. | L | Anticipated 10% Local/State Match Dependent on FAA reauthorization | 2019 |
| 95 | 3.2.2 | 4.2.5.8.ii | Burlington, South Burlington | Airport Improvements - South End Development PHASE 7 | General Aviation/Corporate Taxiway & Apron. | \$5,000,000 | 0 Beyond Construction | N - Depend on FAA reauth. | L | Anticipated 10% Local/State Match Dependent on FAA reauthorization | 2018-2019 Multi-year project |
| 96 | 3.2.2 | 4.2.5.8.vi | Colchester | Burnham Memorial Library Expansion | The current public community library has outgrown its space and is limited to what it can and should potentially offer to the public. Serving 60,000+ patrons. | \$5,000,000 | 3 | N | L | Friends of the Library & Library Trustees primary fundraising source | 2020 |
| 97 | 3.2.2 | 4.2.5.8.vi | Colchester | Multi-Generational Community Recreation Center | Land secured; funding needed to build. | \$5,000,000 | 20 | N | L | TBD | TBD |
| 98 | 3.2.2 | 4.2.5.8.vi | Essex Town | Highway Garage planning, design and construction Expansion | Expand existing space to accommodate all vehicles and repair activities. | \$360,000 | 0 | N | L | Capital Budget and existing Capital Funds | Post 6/18 |
| 99 | 3.2.2 | 4.2.5.8.vi | Essex Town | Library Expansion and Renovation, Planning, design and construction | Expand existing space to meet current needs. | \$103,000 | 0 | N | L | Capital Budget and existing Capital Funds | Post 6/18 |
| 100 | 3.2.2 | 4.2.5.8.vi | Essex Town | Painesville area sewers, construction | Install municipal sewers on Pinecrest Drive, Blair, portions of Pioneer and Ira Allen. | \$700,000 | 0 | N | L | Bond vote and local users | Post 2018 |
| 101 | 3.2.2 | 4.2.5.8.vi | Essex Town | Indoor Recreation Space study only | Prepare study on feasibility, cost, layout and location. | \$30,000 | 0 | N | L | Capital Budget and existing Capital Funds | TBD |
| 102 | 3.2.2 | 4.2.5.8.vi | Essex Town | Historic Structure repairs, construction | Fort Ethan Allen Water Tower requires funds for preservation of structure. | \$100,000 | 0 | N | L | Existing Capital Funds and grants | 2016 |
| 103 | 3.2.2 | 4.2.5.8.vi | Huntington | Village form-based code | draft has been completed. Dependent upon wastewater service being made available. | TBD | TBD | N | L | TBD | TBD |
| 104 | 3.2.2 | 4.2.5.8.vi | South Burlington | New City Hall | Expanded facility to meet community needs for municipal services and municipal meeting space. | \$6,300,000 | 7 | N | L | Property Taxes | 2018 |
| 105 | 3.2.2 | 4.2.5.8.vi | South Burlington | Library | Recreation facility serving community. | \$8,900,000 | 12 | N | L | Local | 2018 |
| 106 | 3.2.2 | 4.2.5.8.vi | Colchester | Waste Water Treatment & Service | For Mallets Bay and Exit 17 area - add one sentence description. | \$30,000,000 | TBD | N | TBD | TBD | TBD |
| 107 | 3.2.2 | 4.2.5.8.ii | Williston | Taft Corner Grid Streets | construct local streets in Taft Corner area to improve circulation | \$3,900,000 | TBD | N | TBD | local impact fees, private funds, grants | TBD |
| 108 | 3.2.2 | 4.2.5.8.vi | Williston | Water Storage Tank Expansion | Tank on Tower Lane needs to be replaced to a new location and brought up to standards | \$870,000 | TBD | N | TBD | \$400,000 & borrowing \$470,000 | 2020 |
| 109 | 3.2.2 | 4.2.5.8.vi | Williston | Williston Entry-Level Housing. | Potentially develop a housing trust fund and/or projects with Champlain Housing Trust and Affordable Housing Task Force | \$3,500,000 | TBD | N | TBD | Buyer mortgages, VT Community Development Program; VT housing & Conservation Trust Fund; Habitat for Humanity | TBD |
| 110 | 3.2.2 | 4.2.5.8.vi | Winooski | Winooski West-end Revitalization | Assist with homeownership and literacy | TBD | TBD | N | M | TBD | TBD |

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| 111 | 3.2.2 | 4.2.5.8.vi | Winooski | City Plan Update | update Plan to reflect revised principles | \$20,000 | 0 | N | H | MPG and municipal funds | In Progress |
| 112 | 3.2.2 | 4.2.5.8.vi | Winooski | Bylaw updates | make updates as appropriate for each district | \$50,000 | 0 | N | H | CCRPC, MPG and municipal funds | In Progress |
| 113 | 3.2.2 | 4.2.5.8.vi | Winooski School District | Winooski School District Renovations and Upgrades | TBD | \$591,000 | TBD | TBD | TBD | Municipal Funds | TBD |
| 114 | 3.2.2 | 4.2.5.8.vi | Burlington | Miller Community Recreation Center Roof Renovation (Parks) | Facility currently experiences serious, extensive leaking throughout building. Repair/replace existing roof; remove chimney. | TBD | 0 | TBD | TBD | TBD | TBD |
| 115 | 3.2.2 | 4.2.5.8.vi | Burlington | Leddy Park Softball Renovation (Parks) | Existing facility has poor and limited drainage. Project includes installation of new drainage systems and field renovations. | \$100,000 | 0 | TBD | TBD | Penny for Parks (PFP) | TBD |
| 116 | 3.2.2 | 4.2.5.8.vi | CVE, Essex Junction | Champlain Valley Exposition (CVE) music pavilion/grandstand | Renovation & expansion | \$8,000,000 | TBD | TBD | TBD | TBD | TBD |
| 117 | 3.2.2 | 4.2.5.8.vi | St. George/VTGas | Vermont Gas service | to enable concentrated growth center | TBD | TBD | TBD | TBD | Vermont Gas | TBD |
| 118 | 3.2.2 | 4.2.5.8.vi | Underhill | Village designation for Underhill Center | Obtain Village Center Designation for the Center area. | TBD | N/A | N/A | TBD | TBD | completed |
| 119 | 3.2.2 | 4.2.5.8.vi | Underhill | Rezoning of Underhill Flats, including the Jacobs parcel | In process via MPG. Rezoning voted down at Town Meeting. PC to determine pursuit. | \$8,200 | N/A | Y | TBD | N/A | TBD |
| 120 | 3.2.2 | 4.2.5.8.vi | Underhill | Rezoning of Underhill Center | In process via MPG. Will also need water system. Rezoning voted down at Town Meeting. PC to determine pursuit. | \$8,200 | N/A | Y | TBD | N/A | TBD |
| 121 | 3.2.3 | 4.2.5.8.iii | CCRPC | Comprehensive Transportation Hazard Mitigation and Water Quality Program | Infrastructure protection and hazard mitigation, water quality planning through FEH Bylaw equivalent tracking to ANR, culvert mitigation and AOP planning | \$90,000 | 0 | Y | H | municipal match funds | ongoing |
| 122 | 3.2.3 | 4.2.5.8.iii | CCRPC | Green Infrastructure Grant | Lead statewide effort to communicate guidance on green infrastructure techniques to municipalities through RPCs | \$100,000 | 0 | Y | H | regional planning and municipal match funds | completed |
| 123 | 3.2.3 | 4.2.5.8.iii | Essex Town | Stormwater projects --planning, design and construction | Construct stormwater projects to meet MS4 permit and Flow Restoration Plans | \$1,000,000 | 0 | N | H | Existing Capital Funds and bond vote | 2016 and beyond |
| 124 | 3.2.3 | 4.2.5.8.iii | Westford | Huntley Road culvert | replace culvert | \$110,000 | 0 | N | H | Fed/State/Local | completed |
| 125 | 3.2.3 | 4.2.5.8.vii | Winooski Natural Resources Conservation District | Connecting the Drops: A Water Story (ECHO Lake Aquarium and Science Center, Church St. Marketplace, and ArtsRiot) | The project includes a public art and education display in downtown Burlington where art, public participation, science education, and environmental stewardship will highlight stormwater's impact on Lake health and steps each of us can take to improve it. | \$46,000 | 0 | Y | H | \$40,000 ECOS Grant, Local funding | completed and ongoing by Stream Team |
| 126 | 3.2.3 | 4.2.5.8.iii | Essex Junction | Storm water improvements | MS4 permit investments | TBD | 0 | N | L | TBD | TBD |
| 127 | 3.2.3 | 4.2.5.8.iii | South Burlington | Storm water improvements | Continue to comply with State Standards. Prepare for the implementation for the MS-4 Permits. | \$50,000,000 | 0 | N | H | Federal / State / Local | Ongoing |
| 128 | 3.2.3 | 4.2.5.8.iii | Burlington | Oakledge Drainage & Paving Improvements (Parks) | Renovation of entrance roadway to improve deteriorating infrastructure and support recent stormwater drainage improvements | \$30,000 | 0 | TBD | TBD | Penny for Parks (PFP) | Spring 2013 |
| 129 | 3.2.4 | 4.2.5.8.i | Association of Africans Living in Vermont, Inc. | New American Food (Burlington School District - Food Services, Vermont Works for Women, Union Street Media, The Skinny Pancake, and The Intervale Center) | It will prepare unemployed refugee Reach Up (TANF) recipients, with limited English proficiency, for jobs in the food preparation and food processing industries through the 120-hour, 10-week FRESH food course. The AALV Employment Counselor job places graduates into employment opportunities that result in movement off welfare. In addition, there will be an increase in sales by refugee farmers of organic, locally grown crops. | \$98,425 | 6 | Y | VITAL | \$50,000 ECOS grant, local funding | completed or ongoing? |
| 130 | 3.2.4 | 4.2.5.8.iii | Burlington | Breakwater planning and construction | Breakwater to protect harbor from north and south winds | \$7-10,000,000 | 0 | N | H | TIF | 2013 |
| 131 | 3.2.4 | 4.2.5.8.vi | Richmond | Forests, Wildlife & Communities: Science to Action (Towns of Bolton, Jericho, Huntington, Vermont Natural Resources Council, Arrowwood Environmental, Vermont Fish & Wildlife Department, VT Forests, Parks & Recreation Department, and CCRPC) | This project is a comprehensive four-town natural resource inventory of wildlife habitat, wetlands, uplands, natural communities and working lands; technical assistance in the development of bylaws and non-regulatory conservation tools tailored to our communities' needs to provide permitting predictability, protect, restore and enhance critical habitat, and advance the goals specified in each town's plan; and engagement of property owners and other citizens in all aspects of the project. | \$98,800 | 0 | Y | H | \$40,000 ECOS Grant, State, Local | completed |
| 132 | 3.2.4 | 4.2.5.8.iii | Burlington | Stormwater outfall at foot of College Street improvements | Extending the outfall further into the lake to diminish the creation of silt build up and scouring that clouds the harbor | \$200,000 | 0 | N | M | TIF | 2015 |
| 133 | 3.2.4 | 4.2.5.8.vi | Burlington | Burlington Food Enterprise Center (CEDO) | Finalize Environmental remediation of the site (CAP) and possibly sell property to Intervale Center for future redevelopment. | \$4,300,000 | 15-20 | N | M | Public/private partnerships, City | 2015 |
| 134 | 3.2.4 | 4.2.5.8.vi | Essex Town | Study for use of Buildings and grounds at the Tree Farm | Investigate alternative uses for the property and associated costs | \$15,000 | 0 | N | M | Capital funds and planning grant | TBD |
| 135 | 3.2.4 | 4.2.5.8.vi | CVE, Essex Junction | Champlain Valley Exposition Agricultural Center | create an agricultural center | \$8,000,000 | TBD | TBD | TBD | TBD | TBD |
| 136 | 3.2.5 | n/a | United Way | Community Driven Transportation for Seniors & Adults with Disabilities (SSTA, CCTA, Champlain Area Agency on Aging, UVM Center for Aging, and Fanny Allen Corporation) | The program will create a community-driven transportation service model that provides low-cost transportation services to medical appointments and non-medical rides for seniors and adults with disabilities, especially those with no other means of transportation. | \$80,000 | 1 | N | VITAL | \$20,000 ECOS Grant, Local | ongoing |
| 137 | 3.2.5 | n/a | all coalitions (see list below) | SUBSTANCE ABUSE, TOBACCO | Varying mix of policy, systems, and environmental strategies in school and community settings | | n/a | Y | H | VDH | ongoing |

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| 138 | 3.2.5 | n/a | BPHC | OBEsITY-Enhance mixed use development | Complete assessment in contract with Local Motion to identify factors that limit mixed use development, present assessment results to the community | BPHC \$40,000, CY \$10,000, MCYC \$20,000, WCSPC \$12,165 | n/a | Y | H | VDH | completed |
| 139 | 3.2.5 | n/a | BPHC | OBEsITY-Improve access to parks, recreation facilities, and open spaces | Complete assessment in contract with Local Motion to determine town support for and resident access to local parks, recreation facilities, and open spaces, present assessment results to the community. | same as above | n/a | Y | H | VDH | completed |
| 140 | 3.2.5 | n/a | BPHC, WCSPC, CHIPS | TOBACCO-Provide education to community leaders about effects of tobacco retail outlet number, location, type, and/or density. | Work with community leaders to promote evidence based practices in their community concerning tobacco retail outlets. | same as above | n/a | Y | H | VDH | ongoing |
| 141 | 3.2.5 | n/a | BPHC, CY | SUBSTANCE ABUSE-Strategies to reduce underage drinking and drug abuse | Includes conducting assessments to providing education to the community about effects of alcohol retail outlet number, location, type, and/or density, and other strategies. | Total Alcohol Prevention Award FY13: BPHC \$40,000, CY \$40,000 | n/a | Y | H | VDH | Ongoing |
| 142 | 3.2.5 | n/a | BPHC, CY (Hinesburg and St. George only for this strategy), MCYC, WCSPC | OBEsITY-Improve access to healthy foods | Conduct assessments identifying barriers to access to healthy foods, present assessment results to the community. WCSPC: Farm stand at community center in collaboration with Association of Africans Living in Vermont. | same as above | n/a | Y | H | VDH | completed |
| 143 | 3.2.5 | n/a | BPHC, CY, MCYC | OBEsITY.SUBSTANCE ABUSE-Healthy Retailers | Support local convenience stores to make small changes to promote healthy foods and limit tobacco and alcohol advertising. | Total Healthy Retailer Awards FY13: BPHC \$10,000, CY \$10,000, MCYC \$10,000 | n/a | Y | H | VDH | completed |
| 144 | 3.2.5 | n/a | BPHC, CY, MCYC, CHIPS, WCSPC | TOBACCO-Reduce second hand smoke exposure | Provide education about various smoke-free policies for post-secondary campuses, public events, and public parks, beaches, and other open air spaces. Example: Breathe Easy Campaign in Burlington. | same as above | n/a | Y | H | VDH | Ongoing |
| 145 | 3.2.5 | n/a | BPHC, MCYC | OBEsITY-Increase pedestrian and bicycle friendly communities | Complete walkability and bikability assessments, present assessment results to the community. | same as above | n/a | Y | H | VDH | ongoing - partially complete |
| 146 | 3.2.5 | n/a | Burlington Partnership for a Health Community (BPHC), Connecting Youth (CY), Milton Community Youth Coalition (MCYC), Winooski Coalition for a Safe and Peaceful Community (WCSPC) | TOBACCO-Provide education to community leaders about tobacco advertising | Provide education about tobacco product placement. | BPHC \$45k, MCYC \$45k, WCSPC \$32k, CHIPS \$45k | n/a | Y | H | VDH | ongoing |
| 147 | 3.2.5 | n/a | Burlington School District | SUBSTANCE ABUSE-School-Based Substance Abuse Services Grant | Student Assistance Professional funding to provide substance abuse prevention, treatment, and referral. | Total Grant Award FY13: \$40,000 | n/a | Y | H | VDH | ongoing |
| 148 | 3.2.5 | n/a | Hunger Free Vermont | Eat Well, Age Well (American Association of Retired Persons, United Way, Champlain Valley Agency on Aging, State of Vermont Department for Children and Families) | This project will connect committed and trained United Way volunteers aged 55+ with Vermonters aged 60+ who may be eligible to participate in 35squaresVT. | \$20,000 | 0 | Y | H | \$15,000 ECOS Grant, Local | completed or ongoing |
| 149 | 3.2.5 | n/a | most all municipalities | SUBSTANCE ABUSE | law enforcement START activity (Stop Teen Alcohol Risk Team) | other funding | n/a | Y | H | VDH | ongoing |
| 150 | 3.2.5 | n/a | most all schools | SUBSTANCE ABUSE, TOBACCO | varying mix of in-school prevention groups (eg LEAD = Chittenden South, START = Burlington), Student Assistance Professionals (SAP's), Prevention Coordinators, teach d/a in health ed. | other funding | n/a | Y | H | VDH | ongoing |
| 151 | 3.2.5 | n/a | most coalitions (see list below) | FAMILY-support parents, youth | Safe Home Initiative, Parent Up VT, field trips, mentors. | other funding | n/a | Y | H | VDH | in progress |
| 152 | 3.2.5 | n/a | Public School Districts and Supervisory Unions | MEDICAL, DENTAL, MENTAL HEALTH-Early Periodic Screening Diagnostic and Treatment- Medicaid Administrative Claiming Reimbursements | Reimbursements for Medicaid promotion, outreach, and connection to medical, dental, and mental health services by school health professionals. Funds must be reinvested into school for population-based prevention and wellness programs and positions serving students. | \$337,014 | n/a | Y | H | VDH | 2013 |
| 153 | 3.2.5 | n/a | Various Public Schools | TOBACCO-VKAT/OVX | School-based youth tobacco prevention programs. | \$25,000 | n/a | Y | H | VDH | ongoing |
| 154 | 3.2.5 | n/a | Westford | emergency shelter at Westford School | emergency shelter at Westford School. | TBD | 0 | Y | H | Local | completed |
| 155 | 3.2.6 | 4.2.5.8.iv | Burlington | Vermont Aviation Center (CEDO) | Working with VTC, Heritage Aviation and the Airport to establish a facility housing the Burlington Aviation Tech Program, Vermont Flight Academy and allowing room for VTC to expand their future aviation program offerings. | \$8,300,000 | 25-30 | N | H | TBD | 2012 |
| 156 | 3.2.6 | 4.2.5.8.iv | Champlain College | Health Information Technology Program | Development funds are being sought by Champlain College to offset tuition and/or for additional curriculum development to support the growing needs of the healthcare industry. | \$300,000 | 0 | N | H | Champlain College | TBD |
| 157 | 3.2.7 | 4.2.5.8.vii | CCRPC | Annual Indicator Report | Lead partnership in producing an Annual Report on ECOS Plan implementation. | \$90,000 | 0 | N | H | reg'l plng, MPO, muni match funds | ongoing |
| 158 | 3.2.7 | 4.2.5.8.vii | Colchester | 24/7 Municipal Government | with capacity to issue permits and collect taxes and fees on line. | \$200,000 | \$0 | Y | H | Municipal | in progress |

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| 159 | 3.2.7 | 4.2.5.8.vii | Colchester, Essex, Milton, Winoski | Partnership Revolving Loan Fund Capitalization | Business loans for small start-up businesses that are unable to secure capital from other sources. | \$490,000 | 1 to10 | Y | H | VT Community Development Program. | Ongoing |
| 160 | 3.2.7 | 4.2.5.8.vii | Burlington | Fire station consolidation (CEDO) | This is an ongoing conversation related to Gateway Block Redevelopment. | TBD | 0-50 | N | M | TIF | 2014 |
| | 3.2.1 | 4.2.5.8.i | Essex Town, Essex Village, Williston, GBIC, CCRPC | Infrastructure utilization, access or acquisition plan | The creation of a plan to examine the future utilization, access, or acquisition of the already existing infrastructure on the IBM Vermont Campus. Infrastructure to include, but not be limited to: water, wastewater, road, bridge, electric transmission, etc. | \$100,000 | | N | VITAL | CDBG, State | TBD |
| | 3.2.1 | 4.2.5.8.iv | GBIC | Chittenden County workforce development needs | Work with area employers, higher education institutions, and workforce development professionals to create programs and curriculum to meet the needs of manufacturing, technology, and value-adding employer workforce needs. | \$10,000 | TBD | N | H | GBIC Funds; local businesses; business organizations | In Progress |
| | 3.2.2 | 4.2.5.8.i | Burlington CEDO | Downtown mall redevelopment | To redevelop the downtown mall to include significant residential infrastructure and parking to complement new commercial opportunities. | \$200,000,000 | TBD | N | H | | Design in Progress |
| | 3.2.1 3.2.2 | 4.2.5.8.i 4.2.5.8.v | University of Vermont | UVM STEM Building | Development of a University building designed to meet the specific needs of classes to teach Science, Technology, Engineering, and Mathematics related courses. | \$106,000,000 | TBD | N | H | | In Progress |
| | 3.2.5 | | University of Vermont (University of Vermont Medical Center) | UVM Medical Center Inpatient Facility | Development of a new inpatient facility to serve the population of Northwest Vermont | \$187,000,000 | TBD | N | H | | In Progress - permit process |
| | 3.2.2 | | Milton | Milton Hourglass Intersection | This project invests in an area planned for growth and would address a high accident intersection at US7, Middle and Railroad Street by creating an hourglass-shape intersection scoped by the RPC. | costing in progress, at least 1.2 million. | ? | | | | In Progress |
| | | | Westford | Conserve Working Lands | draft land use and development regulations to conserve working lands | \$5,000 | | | | | In Progress |
| | | | Westford | Westford Community Wastewater (small scale) | to serve municipal & community facilities. Follow up to 2014 site-specific wastewater feasibility study | 60,000 | | | V | | On-hold |
| | | | Westford | formalize on-street parking in front of brick meeting house | upgrade, pave and strip parking area in front of Brick Meeting House | 15,000 | | | | | 2020 |
| | | | Westford | Pedestrian infrastructure | construct sidewalks connecting public facilities (common, library, town office, post office, school, meeting house, etc.) | 250,000 | | | | | 2017 |
| | | | Westford | preserve significant natural resources | after conducting a natural resource inventory, draft regulations to preserve significant natural resources through forestry districts and/or conditional use review | \$30,000 | | | V | | 2017 |
| | | | Westford | westford-milton rd recreation | identify the recreation potential/possibilities of the westford milton road property and utilize property accordingly | tbd | | | | | 2016 |
| | | | Westford | common to school river path | create a path from the common to the school along the Browns River. | \$10,000 | 0 | Y | H | local / state | 2017 |
| | 3.2.5 | | VDH - Burlington District Office | Health Impact Assessment | Assessment potential positive and negative affects of transportation and other projects or policies on the health of residents. | | n/a | Y | H | | Completed and Ongoing |
| | | | Jericho | Jericho Corners pedestrian connection - scoping study | Approved scoping study will evaluate alternatives for creating a safe pedestrian connection between several residential developments along Lee River Rd and Jericho Corners VCTR on Route 15. Will need future implementation funds. Will likely request TA from CCRPC working with our trails committee | Scoping \$27K Construction TBD | 0 | Y | | Bike/Ped Grant Program | In Progress |
| | | | Jericho | Commercial District access management | Hire consultant to conduct outreach and provide access management recommendations that could be employed in the Commercial District to reduce the appearance of sprawl, improve public safety, and integrate this district with the adjacent Riverside designated Village Center District | \$20K | 0 | N | | | Fall 2015 |
| | | | Jericho | Master Plan and Form-based Code | Created a Master Plan and Form-based Code for the Riverside/Underhill Flats Village Center, creating a template for future commercial and residential growth in this designated VCTR | \$70,000 | 0 | Y | | ECOS funding, MPG Grant, Local Match approx 20K | Completed |
| | | | Jericho | Natural Resources Regulatory and Town Plan Updates | Conservation Commission and Planning Commission are working collaboratively to incorporate new inventory data from the ECOS S2A project into new overlay definitions, new map resources, protections for wildlife corridors, and regs for reducing forest fragmentation | TBD | 0 | Y | | | In progress |
| | | | Jericho Conservation Commission | Jericho Wetlands Map | Conservation Commission would like to create and maintain going forward, a Jericho Wetlands Map of previously unmapped wetlands and vernal pools, for reference in the Town Plan and Regulations. This data was collected during the ECOS S2A project, and needs to be put into map form. | TBD | 0 | N | | | 2015 |

| DRAFT 2015 ECOS/CEDS Project List | | | | | | | | | | | |
|-----------------------------------|---------------|----------|-------------------------------|--|---|----------------------|---|------------------|-----------------------|--|---------------------|
| # | ECOS Strategy | EDA goal | Municipality/ Sponsor | Project Name (Champion or Partners) | Description/Comments | Estimated Cost | Expected Job Creation (post construction) | Fully Funded Y/N | Priority VITAL/ H/M/L | 50% Local Match Source(s) | Possible Start Date |
| | 3.2.2 | | Richmond | Jolina Court Interim Zoning | Interim Zoning adopted for the area around the abandoned Creamery building to increase redevelopment flexibility. | n/a | n/a | n/a | n/a | | In Progress |
| | 3.2.2 | | Richmond | New Town Plan | The process of developing a new town plan will start soon, with the recent announcement of MPG funding. One component of the process will include a specific density-village growth workshop, flood resiliency workshop, . | \$15,000 + | n/a | Y | VITAL | State, Local | In Progress |
| | 3.2.2 | | Richmond | Streamline municipal permit process | Increase coordination of process of issuing local approvals and increase awareness of State permit requirements for applicants. | unknown | unknown | N | H | | TBD |
| | | | Richmond | Richmond Draft Flood Hazard Overlay District Regulations and Post Flood Procedures | Draft guidance document to assist in the administration of the flood regulations and includes a post-flood procedure to guide the Administrative Officer in communicating permit requirements to flood-damaged property owners. Document includes copies of "how to" guides to help property owners make buildings less susceptible to flood damages and increase preparedness. | n/a | n/a | Y | M | | |
| | | | Richmond | Property Assessed Clean Energy | Created PACE District, implemented in August 2013 | | | | | N/A | In progress |
| | | | CCRPC and Richmond | VT RT 2 Bicycle and Pedestrian Scoping Report | Develop a plan to link the village center to transit stop at the State-owned Park and Ride at I-89 Exit 11 by way of multi-use path. | \$40,000/\$5,000,000 | | Y | | | ? |
| | | | South Burlington | Public-private partnerships including UVM Medical Center Facilities | Coordinate with major employers such as UVM Medical Center and provide multi-modal transportation | | | N | M | Federal, State, Local, Private Sector | In Progress |
| | | | South Burlington | Williston Road Network Assessment Ph I & II | Transportation network analysis for the City Center / Exit 14 area | | 0 | N | H | Local, CCRPC | In Progress |
| | | | South Burlington | Kimball / Kennedy / Tilley area network study | Transportation network analysis for the Kimball / Kennedy / Tilley Dr area for projected future development | | 0 | N | M | Federal, State | In Progress? |
| | | | South Burlington | Chamerlin Neighborhood / Airport area Plan | Develop short-and long term land use and transportation plan for neighborhood adjacent to BIA | \$150,000 | 0 | Y | H | Local, State, CCRPC | In Progress |
| | | | South Burlington | City Center Affordable Housing | Advance public-private partnerships to develop affordable housing in City Center | | | N | H | Federal, State, Private Sector, Local | In Progress |
| | | | South Burlington | SB Landfill Solar Array | Public-Private partnership to install solar array on City-owned capped landfill | | | N | M | Local, Private Sector, housing non-profits | In Progress |
| | | | South Burlington | Strategic land conservation | Acquire and/or conserve land in identified priority conservation areas | | | N | M | Local, State | In Progress |
| | | | South Burlington | City Parks and Recreation Path upgrades | Improve ADA accessibility of existing parks; develop park amenities in undeveloped parks, fill gaps in city's recreation path network | | | N | M | Local, State, Federal | In Progress |
| | 3.2.7 | | South Burlington | City Center Affordable Housing | Advance public-private partnerships to develop affordable housing in City Center | | | | | Local, private sector, non-profits | In Progress |
| | 3.2.7 | | South Burlington | South Burlington TIF Implementation | Complete TIF Financing plan, initiate project development | | | | | Local, State, Federal, Private sector | In Progress |
| | 3.2.7 | | South Burlington | Review statewide education financing | Review and implement improvements to state system for financing education | | | | | State | In Progress |
| | 3.2.3 | | Burlington | Burlington East WWTP upgrade | Possible upgrade needed to meet TMDL targets. TMDL lists currently at 102% of phosphorus load. | \$3,540,220 | | N | | | TBD |
| | 3.2.3 | | Burlington | Burlington North WWTP Upgrade | Possible upgrade needed to meet TMDL targets. TMDL lists currently at 105% of phosphorus load. | \$3,540,220 | | N | | | TBD |
| | 3.2.3 | | Burlington | Burlington Main WWTP Upgrade | Possible upgrade needed to meet TMDL targets. TMDL lists currently at 170% of phosphorus load. | \$24,030,227 | | N | | | TBD |
| | 3.2.3 | | Essex Junction | Essex Junction WWTP Upgrade | Recent upgrade already sufficient to meet TMDL target? TMDL current list includes 145% of load. | \$1,000,000 | | | | | Completed? |
| | 3.2.3 | | Global Foundaries | Global Foundaries WWTP upgrade | Possible upgrade needed to meet TMDL targets, though currently at 30% of phosphorus load on TMDL list. TMDL still lists a potential long-term cost. | \$4,110,000 | | | | | TBD |
| | 3.2.3 | | Richmond | Richmond WWTP upgrade | Possible upgrade needed to meet TMDL targets, though currently at 17% of phosphorus load on TMDL list. TMDL still lists a potential long-term cost. | \$1,620,150 | | | | | TBD |
| | 3.2.3 | | South Burlington/Airport | South Burlington Airport Park | Possible upgrade needed to meet TMDL targets. TMDL lists currently at 93% of phosphorus load, though no cost estimate included. | ? | | N | | | TBD |
| | 3.2.3 | | Winooski | Winooski WWTP upgrade | Possible upgrade needed to meet TMDL targets. TMDL lists currently at 130% of phosphorus load. | \$7,052,897 | | N | | | TBD |
| | 3.2.3 | | Hinesburg | Hinesburg WWTP upgrade | Possible upgrade needed to meet TMDL targets, though currently at 78% of phosphorus load on TMDL list. TMDL lists a potential long-term cost. | \$7,800,000 | | N | | | TBD |
| | 3.2.3 | | Shelburne | Shelburne #1 WWTP upgrade | Possible upgrade needed to meet TMDL targets. TMDL lists currently at 78% of phosphorus load, though no cost estimate included. | ? | | N | | | TBD |
| | 3.2.3 | | Shelburne | Shelburne #2 WWTP upgrade | Possible upgrade needed to meet TMDL targets. TMDL lists currently at 79% of phosphorus load, though no cost estimate included. | ? | | N | | | TBD |
| | 3.2.3 | | South Burlington Bartlett Bay | South Burlington Bartlett Bay WWTP upgrade | Possible upgrade needed to meet TMDL targets. TMDL lists currently at 80% of phosphorus load, though no cost estimate included. | ? | | N | | | TBD |

Child Care Deficiency

Proposed Amendments to [2.3.1 Education](#):

Key issues/Trends/Insights

Childcare is a significant issue for the majority of Vermont parents who rely on out-of-home-care for their youngest children. In 2014, there were 8,668 children under age 5 in Chittenden County and 76% of families with all parents in the workforce. However, as of July 2014, Child Care Resource (CCR) reports there were 5,970 slots to serve children ages 5 and under, t. Thus demonstrating the need is greater than current capacity to care for our region's children. High regulation (licensing can be hard to obtain) and low profitability (average annual income is only \$24,070, according to Let's Grow Kids) challenge the viability of child care businesses, ultimately resulting in a lack of available spaces. Childcare availability is especially lacking for parents that work the third shift or have non-traditional erratic hours, like farmers. Even if families find care, affording it is challenging. According to the 2015 Building Bright Futures report, *How Are Vermont's Young Children and Families?*, child care costs equate to 28-40% of household income for two-parent two-child families with incomes between \$47,700 (200% federal poverty level) and the state median family income of \$82,047. Middle income Vermont families with two parents and two young children are spending up to 40% of their income on child care. That's over \$19,000 a year—more than the cost of full-time, in-state tuition at a Vermont State College.

Key Indicators

- Building Bright Futures and Let's Grow Kids is working on developing county-specific data in coordination with several partners, including the Child Development Division and Vermont Insights, but the information won't be ready until the new year. I am inclined to not include any key indicators on until them. We can add them to the scorecard as they come available.

Proposed Amendments to [ECOS Strategy 3.2.6 Equip our residents with the education and skills that they need to thrive](#).

8. Ensure that children ages (0-5) have adequate access to high quality and affordable early learning and education programs by integrating child care issues into the planning process, including child care financing, infrastructure, business assistance for child care providers, and child care workforce development.

- ~~1. Encourage municipalities to negotiate with developers and to offer incentives to provide space for childcare in all types of projects, residential, office, mixed use, and commercial, including new construction and reuse.~~
- ~~2.1. Work with municipalities periodical should to review land-use and development regulations to identify needed amendments to authorize quality child-care services in appropriate locations convenient to households, employment centers, accessible via transit, and near recreation facilities, including at home occupations.~~

Amendments could include incentives to provide space for childcare in all types of projects.

- ~~3.—Employers, schools, and community organizations should collaborate to ensure that affordable, quality child-care services are available to meet the different needs of households, especially low and medium income families, working parents, and those with limited transportation.~~
- ~~4.—Work with regional partners to ensure that training and education for childcare professionals are available and well-funded, and that childcare workers earn a living wage.~~
- 5.2. Review the recommendations of the ~~Connect the business community with the recommendations of the~~ Vermont's Blue Ribbon Commission on Financing High Quality, Affordable Child Care when complete, to determine how our partners may help advance these efforts(currently under development). Click here to access a short video on this initiative.

Earth Resource Extraction Deficiency

Proposed Amendments to [2.4.3 Working Lands & Land Based Industries](#):

Chittenden County contains two major zones of bedrock geology: Sedimentary Zone – Rocks formed by the deposit of sediment, located predominantly in the lowlands between Lake Champlain and the uplands on the eastern side of the County; and Metamorphosed Zone – Rocks formed by metamorphic processes located predominantly in the uplands on the eastern side of the County. No major geologic threats (such as major active fault lines, seismic disturbances, areas prone to sinkholes or subsidence) or opportunities (such as major deposits of valuable minerals) exist in the County. ~~In Chittenden County, the extraction of~~ ~~The only earth resources in Chittenden County that currently are commercially viable are sand, stone and gravel~~ ~~is commercially viable.~~ ~~These resources play an important role in our land development practices and economy. While it is important to manage the environmental impacts of these operations, it is also important to manage these finite resources because a reduction of these locally available products will likely have an impact on construction costs.~~ These nonrenewable resources are used to produce building materials (such as concrete and railroad ballast), to use as landscaping materials, and to ~~build new and~~ maintain ~~public and private~~ roads ~~and buildings~~. Chittenden County contained 3 primary producing construction sand and gravel areas, and a total of 10 producing mines within those areas, ~~as well as 5 producers of crushed stone~~ ([Vermont Geological Survey/U.S. Geological Survey, 2010-2011](#) and [USGS Mineral Resource Data System, 2015](#)). ~~While these resources are limited, they play an important role in our land development practices and economy and it is important to manage them carefully.~~

Proposed Addition to [Strategy 3.2.4: Increase investment in and decrease subdivision of working lands and significant habitats, and support local food systems](#):

3. Earth Resources Extraction— Mineral extraction and processing facilities, ~~including smaller private extraction operations existing to support agricultural operations~~, should be planned, constructed, and managed, in conjunction with State and local regulations, to:

- a. Not place an excessive or uneconomic burden on local and state highways and bridges – including but not limited to a burden to the function and safety of existing roads and bridges serving the project site, strain from heavy loads on roadbeds and bridges, conflicts with pedestrians or bicyclists and increased heavy traffic in dense residential areas; and
- b. Minimize any adverse ~~affects~~ ~~effects~~ on water quality, fish and wildlife habitats, and adjacent land uses; and
- c. Plan for their eventual rehabilitation so that slopes are stable and the surface is revegetated ~~with a variety of native species to support a wide range of biodiversity~~. To that end, topsoil should not be removed from sites and excavations should stop early enough so that stable slopes can be established on the property; and
- d. Extraction sites should be screened to the extent practical if topography and vegetation allow.

4.1.3 Statement of Compatibility and Consistency

Pursuant to 24 VSA 4302 (f), 4345a (5), 4348a (a), and 4348a (a)(8), CCRPC has reviewed the approved plans of its member municipalities and of its adjoining regional planning commissions and concluded that this ECOS Plan is compatible with those plans (that is, this ECOS Plan, as implemented, will not significantly reduce the desired effect of the implementation of the other plans).

Chittenden County is bordered to the north by Grand Isle and Franklin Counties, which are served by the Northwest Regional Planning Commission. The ECOS Plan is compatible with the NRPC 2015 Regional Plan. Most bordering areas are designated as Rural in the ECOS Plan and as Agricultural Resource, Rural or Conservation and Forest Resource in the NRPC 2015 Regional Plan. There are two areas near the border with Franklin County that should be monitored in the future. Any development near around Exit 17 on Route 2 in Colchester may have an impact on Grand Isle County. Additionally, there is an area in Milton planned for Enterprise in the ECOS Plan near, but not bordering, an area planned for Conservation in Georgia in Franklin County. Development in the future should be monitored to ensure no adverse effects.

Chittenden County is bordered to the east by Lamoille County (served by the Lamoille County Regional Planning Commission) and Washington County (served by the Central Vermont Regional Planning Commission). The ECOS Plan is compatible with the Lamoille County Regional Plan: 2014-2022. The Lamoille County Regional Planning Commission's Future Land Use Map designates the areas bordering Chittenden County as Rural Residential, Forest Conservation or Agricultural Conservation. This is compatible with the ECOS Plan's designation of adjoining municipalities as Rural Planning Areas. The ECOS Plan is also compatible with the 2015 Amendment to the Central Vermont Regional Plan. The Plan's future land use map designates areas bordering Chittenden County as Resource and Rural areas. This is compatible with the ECOS Plan's designation of adjoining municipalities as Rural Planning Areas.

Chittenden County is bordered to the south by Addison County (served by the Addison County Regional Planning Commission). The ECOS Plan is compatible with the Addison County 2011 Regional Plan. The Addison County 2011 Regional Plan designates areas bordering Chittenden County to the south as Rural and Agricultural or Forestland and Conservation/Floodplain areas, which is generally compatible with the designation of bordering areas in the ECOS Plan as Rural Planning Areas. There are two possible points of conflicts between future land uses. In Hinesburg, a designated Enterprise Zone is Hinesburg borders a Rural and Agricultural area in Starksboro. In Ferrisburgh, a designated Village and Commercial/Industrial area borders a Rural Planning Area in Charlotte. Development in the future should be monitored to ensure no adverse effects.

Beyond the abutting land designations as described above, it is likely that there is housing pressure on the surrounding regions based on a lack of housing within Chittenden County. This is evidenced by a low vacancy rate in Chittenden County, and the number of commuters from outside of the region (41% or 9,604 Franklin County residents commute to Chittenden County for work, 54% or 2,604 Grand Isle residents commute to Chittenden County for work,. Continued efforts to increase the housing stock within the areas planned for growth in the County will hopefully minimize this pressure on the surrounding regions.

Due to the amount of commuting traffic from the surrounding regions into Chittenden County, there is a demand for transportation services and infrastructure to get residents to their places of work and home

again. All four regional plans include a similar sentiment as this one from the Northwest Regional Plan: “As this demand increases, efforts to combine infrastructure capacity improvements with increased public transportation services should be examined at every possible opportunity.” A recent example of this type of improvement, selected by the Circ Alternatives Task Force, is the Jeffersonville Commuter route on Route 15. In addition, the Plans are consistent in calling for access management, and concentrated development to maintain these arterial corridors for mobility and preservation of character. Particular roadway improvements and corridor plan recommendations identified in the surrounding regional plans are consistent with the ECOS Plan.

Last but not least, hazard mitigation and emergency services are regional issues as responders cross municipal and county boundaries. All four regional plans include a similar sentiment as this one from the Addison County Regional Plan: “To maintain a strong and effective response system that is built on the concept of cooperation and mutual aid.”

CCRPC has also reviewed the goals of 24 VSA 4302 and concluded that this ECOS Plan is consistent with those goals (that is, implementation of this ECOS Plan will result in substantial progress toward attainment of the goals established in 24 VSA 4302).

Utility & Facilities Deficiencies

Proposed Amendments to [2.3.1 Education, Knowledge and Skills](#):

School Facilities: identified as “an extremely limited description and assessment”. While more than adequate coverage is included in the ECOS Plan regarding education, it is true that we don’t have very much information regarding school facilities and capacity. Therefore, we suggest the following addition to Section 2.3.1 Education, Knowledge and Skills:

Overall School Enrollment Growth/Decline. Although some schools are seeing an increase in enrollment (So. Burlington being an example), the majority of schools in Chittenden County are facing declining enrollment. From the 2002-2003 school year to the 2011-2012 school year Chittenden County public schools experienced a decline in the ten year compounded annual growth rates (CAGR), 27% of Chittenden County schools experienced an increase in the ten year CAGR, and this figure was not available for 13% of the schools. NOTE: CAGR is used to measure enrollment growth or decline in Vermont. The formula looks at the first and last years’ enrollment values and compares them over the number of years in the specified time frame to determine a rate of change. The CAGR is different from a percent change which does not consider the number of years over which a change occurs. There were 22,229 students enrolled in Chittenden County in the 2011-2012 school year, a decrease of 4.9% from the 23,387 students enrolled in the 2003-2004 school year. See the [Vermont Department of Education’s Public School Enrollment Report for the 2011-2012 School Year](#) for more information.

There has been a significant effort to further efficiency and consistency in the education system through voluntary unification of school governance structures. The VT Legislature passed Act 46 of 2015 which provided a number of voluntary options with associated incentives to unify (<http://education.vermont.gov/laws/2015/act-46>). Mount Mansfield Modified Union School District is now the main board which oversees 8 schools as of July 2015 (Bolton, Richmond, Jericho and Underhill voters approved this consolidation in November 2014). **Huntington residents also took a vote on this matter but it did not pass.** Also residents from the towns of Essex, Essex Junction, and Westford voted to streamline their governance structure, forming one unified district to serve 10 schools in the three communities – will begin operation in July 2017 (<https://www.cctv.org/watch-tv/programs/education-bill-act-46>). These unifications reduce the number of school boards and aim to bring greater consistency across the curriculums – a direct implementation of ECOS Strategy 3.2.6.4. See the municipal and school capital plans for school facility improvement needs.

There are currently 13 school governing bodies operating either as or under the 3 Supervisory Unions and 6 School Districts, 51 public schools, 18 independent schools (reported for SY16), and 6 colleges/universities in the County (see the ECOS Map Viewer for locations).

NOTE: Do we need the following? There is a map on the DOE site but it really isn’t that helpful – especially in explaining the benefit of the recent unifications. I’d like to not include this, but there is no way to keep it straight without it spelled out! Chittenden County includes the following public governing structures and schools:

Burlington School District – 1 Board, 10 schools (including Tech High School).

Chittenden Central Supervisory Union (currently includes 4 school boards – 1 for each member school district (Westford, Essex Junction and Essex HS, and one for CCSU which is comprised of

members from the other 3 Boards) – Essex Junction (4 schools), Westford (1 school), Essex Community Union High School (2 schools – HS and Tech)

Essex Town Supervisory District – 1 Board, 3 schools.

Chittenden East Supervisory Union – two Boards: Mount Mansfield Modified Union School District (8 schools) and Huntington School District (1 school). MMMUSD schools: Bolton Smilie (1 school), Jericho (1 school), Richmond (1 school), Underhill ID (1 school), Underhill Town (1 school), Buel’s Gore (0 schools), Browns River Middle School (1 school), Camels Hump Middle School (1 school), Mount Mansfield Union High School (1 school).

Chittenden South Supervisory Union – 1 Board, 6 schools. Charlotte Central School (1 school), Hinesburg (1 school), St. George (0 schools), Shelburne (1 school), Williston School District (though does not appear to have a separate board - 2 schools), Champlain Valley Union High School

Colchester School District – 1 Board, 5 schools.

Milton School District – 1 Board, 3 schools.

South Burlington School District – 1 Board, 5 schools.

Winooski School District – 1 Board, 3 schools.

/School Districts

Libraries: identified as “an extremely limited description and assessment” and we agree with this assessment. Therefore, we suggest the following addition to Section 2.3.1 Education, Knowledge and Skills:

Library facilities are well distributed across the region, and residents benefit from reciprocal agreements among all of the libraries in the County with the exception of Burlington (an additional fee is charged for non-Burlington residents). Only three municipalities in the region do not have a library: Bolton, Buel’s Gore and St. George. These communities do not have any current plans to build a library, and the residents use the libraries in surrounding communities. All libraries in the region offer high speed internet access. ~~Both South Burlington and Milton employ bookmobiles within their communities.~~ See [Vermont Department of Libraries, Vermont Public Library Statistics](#) for more information. Current library expansion and improvements are needed in South Burlington, Essex Town, Colchester, and Jericho as identified in the CEDS Project list (see the list in Section 4.2.6 for cost estimates, funding sources and proposed timelines for these projects).

Proposed Amendments to [2.5.5 Energy](#):

Energy Infrastructure: identified as “only mentioned in passing”, however it appears this topic is well covered in Section 2.5.5 Energy and Section 3.2.2 Concentrated Growth Strategy. Therefore, I recommend the following minor amendments to Section 2.5.5:

Vermont’s rural nature offers challenges for the transmission and distribution of energy. It is important to maintain and develop an energy production, transmission, and distribution infrastructure in Chittenden County that is efficient, reliable, cost-effective, and environmentally responsible. Current energy distribution projects include: Extension of 3-phase power in south

Hinesburg along VT116 by Green Mountain Power; Extension of natural gas service in Hinesburg up Richmond Road by VT Gas; and Extension of natural gas service to St. George village center. In addition, Burlington’s plan to recapture “waste heat” from the McNeil power plant and distribute it to the Old North End of Burlington and ~~install heated~~ heat greenhouses at the Intervale is a thermal energy project with a more efficient distribution of a previously wasted energy source. See the CEDS Project list in Section 4.2.6 for cost estimates, funding sources and proposed timelines for these projects.

Make these additions to Section 3.2.2.4.c.i:

Determine appropriate sites for community-level renewable energy generation. Recent work on this topic has included the Legislature’s Solar Siting Task Force Committee in 2015; and three Regional Planning Commissions have received Department of Energy grants. CCRPC has not yet received these funds, but will benefit from the work of the other three RPC’s – and will hopefully be able to build on that work if CCRPC receives its own grant to work on this task further.

Proposed Amendments to 2.5.4 Infrastructure & Facilities:

Communications Infrastructure: identified as “only mentioned in passing”. The ECOS Plan already includes a section on broadband, but we suggest the following edits to clarify the assessment and needs:

Information technology is integral to fulfilling the economic needs of residents and businesses in the region. Telecommunications is the communication of information through various media. The ECOS Competitive Assessment Analysis Report identifies quality and costs of telecommunications services as the weakest utility infrastructure based on the Employer Survey. While broadband technology is widely available throughout Chittenden County: as of December 2011, approximately 99% of Chittenden County residents and 99.5% of non-residential structures (analysis included commercial, industrial, municipal structures) have access to Broadband, the defined broadband speeds are quite slow (768 kbps download/200 kbps upload speeds) and will need to improve. It will be imperative to ensure that we are on par with other urban areas in the realm of number of service providers, service tiers, and affordability as the technology is constantly improving and we must keep up.

Solid Waste – identified as “only mentioned in passing” however, this is discussed in great detail in Section 2.5.4 Infrastructure & Facilities. There are also quite a number of CSWD facilities projects listed in the CEDS project list. Therefore, I recommend the following minor amendment to Section 2.5.4 Infrastructure & Facilities:

A sustainable society minimizes the amount and toxicity of the waste it generates, reuses materials, recycles, and composts. The Chittenden Solid Waste District (CSWD) is responsible for the management of solid waste in Chittenden County. The system in the County is a combination of public, private, and public/private programs. CSWD has established a range of programs and facilities to manage waste through reduction, diversion, and proper disposal. CSWD also has identified the need for and is in the process of developing a regional landfill site (See the CEDS Project list in Section 4.2.6 for cost estimates, funding sources and proposed timeline for CSWD landfill design and construction projects). The tons of refuse disposed in Chittenden County have been declining over the last 5 years, while the amount of recycled materials has increased. While those trends are positive, there is room for improvement. It is estimated that 27% of the municipal solid waste sent to the landfill is comprised of recyclable materials and 32% is comprised of organic

materials that could be composted (Source: CSWD Estimate of the Components of Solid Waste Disposed for FY 2012). A State law passed in 2012 (Act 148) bans disposal of certain recyclables (effective July 1, 2015), yard debris and clean wood (effective July 1, 2016), and food scraps (phased in over time) from disposal. Residents and businesses in CSWD have been required to separate yard debris and recyclables from waste destined for disposal since 1993. The additional bans on food scraps and clean wood will have a significant impact on waste diversion in Chittenden County.

Government/Administrative Facilities: identified as “an extremely limited description and assessment”

As can be seen on the ECOS Map Viewer, there are the following government/administrative facilities in the County: 13 police stations, 21 post offices, 2 courthouses, 18 municipal offices, 27 fire/rescue stations, and 1 state correctional facility.

Larger municipalities such as Burlington, Winooski, Colchester, Essex, Essex Junction, Milton, Shelburne, South Burlington and Williston have a variety of government and school facilities, and provide a wide range of municipal services such as planning and zoning, recreation, highways, libraries, water, sewer, fire, rescue and police. In contrast, small rural municipalities such as Bolton, Buel’s Gore, and St. George support only a few part-time employees such as a municipal clerk and road foreman, and often contract for other services. Municipal government in the remaining communities commonly consist of a few full-time employees such as a municipal clerk, an administrative aide for the selectboard and a highway foreman and small crew, supplemented by part-time or seasonal employees for activities such as recreation programs or the municipal library.

This variation is particularly apparent in regards to Emergency Services. Almost every municipality has a locally-based fire department (with the exception of Buel’s Gore, Huntington, and St. George), half have police departments, and fewer have their own emergency medical services. Many of the smaller municipalities receive primary police services from the Vermont State Police (VSP) on an “as-needed” basis, but must “rent” traffic enforcement services from the Chittenden County Sheriff’s office or from the VSP. Many of the municipalities have reciprocal agreements for assistance in fire and rescue services. The majority of these fire and rescue departments rely on volunteers; and recruitment and retention of these volunteers is a challenge. For more information see Section 2.3.3 of this Plan, the All Hazard Mitigation Plan and Annexes and the Local Emergency Operations Plans for each municipality (particularly Section 5.2 provides the specific services, volunteers and personnel for each operation). Discussions around consolidation of some municipal services, such as dispatch, continue in an effort to achieve greater efficiency. Essex and Essex Junction have consolidated a number of services since July 2013 providing a useful example to other efforts. Specifically, in accordance with the FY2014 (NOTE: update when FY2015 Town Report is released) Town of Essex Annual Report: a shared manager has successfully administered both Town and Village municipalities, a joint stormwater policy committee has been appointed and begun planning Town and Village stormwater permit activity, one tax bill now exists for the Village taxpayers, and one Town-wide collection system has been successfully implemented.

Proposed Amendment to [Section 2.2.2 Scenic, Recreational and Historic Resources](#):

Recreation Facilities – identified as “only mentioned in passing”. However, these facilities are discussed in Section 2.2.2 Scenic, Recreational and Historic Resources, and Section 2.3.5 Arts, Culture & Recreation, including an indicator in each. The facilities themselves are listed on the ECOS online

map as referenced in the Plan. There are also quite a number of recreation facilities listed in the CEDS project list. Therefore, I recommend the following minor amendment to Section 2.2.2 Scenic, Recreational and Historic Resources:

Chittenden County is rooted in its scenic, recreational, and historic resources. These provide residents a place to relax, play, gather, and learn about nature, conservation, and our heritage. They also provide important ecological functions including wildlife habitat, and water and air quality protection. These are supplemented by indoor and outdoor recreation facilities. In addition to the many recreational opportunities associated with Lake Champlain (swimming, boating, fishing, etc.), an extensive system of shared-use paths, on-road bike lanes, and off-road trails connect the County's recreational facilities and areas (this data can be found under the Natural Systems section of the online map located here: <http://maps.ccrpcvt.org/ChittendenCountyVT/>). In addition, municipalities are planning for new facilities and improvements to existing facilities to improve access and opportunities for recreation. See the CEDS Project list in Section 4.2.6 for cost estimates, funding sources and proposed timelines for fourteen recreation related projects throughout the County.

Proposed Amendment to [Section 2.3.2 Health](#):

Hospitals: identified as “an extremely limited description and assessment”. While the ECOS Plan includes quite an extensive account of public health issues, it does not include information on health care related facilities and service centers. Therefore, I recommend the following addition to Section **2.5.4 Infrastructure & Facilities**:

Chittenden County's community hospital is the University of Vermont Medical Center, also Vermont's only academic medical center, serving in this role for patients from across the state and the upper northeast corner of New York. The UVM Medical Center provides a full range of tertiary-level inpatient and outpatient services, provides primary care services at 10 Vermont locations, operates the region's only Level I Trauma Center, and is home to the University of Vermont Children's Hospital. As some of the inpatient facilities are 50 to 70 years old, the Medical Center has a Master Facilities Plan to address the long-term health needs of our region, focusing on single rooms for inpatients and more space for providers and the equipment they need to provide high quality health care, while striving for LEED certification for healthy and efficient building design. Other health care facilities in Chittenden County include 53 primary care sites; the Community Health Centers of Burlington (the local Federally Qualified Health Center, or FQHC); Howard Center (the local designated agency that provides mental health, developmental, and substance abuse services); two home health agencies (Visiting Nurse Association of Chittenden and Grand Isle Counties -and Bayada Home Health Care); ~~six~~6 Nursing Homes; 13 residential care homes; and 4 assisted living facilities.

[While the State continues to see an increase in residents aged 70 and older, the State is preparing for improvements to the way we provide preventative and care services. In their FY2014 Annual Report DAIL described a goal of 'rebalancing' to serve a lower number/percentage of people in nursing homes and a higher number/percentage of people in alternative settings, consistent with their individual choices. The SASH program is an example of this rebalance of services and is intended "to improve or maintain the health, function, quality of life and independence of individuals while reducing per capita costs as a result of more preventive services and care coordination at home \(Governor Commission on Healthy Aging Report, 2010\)." As of December 2015, Chittenden County appears to be 'rebalanced' with 293 Medicaid Nursing Home Residents, and 416 in Home and Community Based Services \(HCBS\) <http://dail.vermont.gov/dail-publications/publications-monthly-reports/cfc-50-50>. While this does not](#)

indicate whether there are enough support services to meet the demand, it does indicate a continued need for a variety of housing options for home and community based services.

Extra information, probably not needed:

DAIL reports on four Chittenden County Nursing Homes and their associated vacancy rates: Birchwood Terrace 91.55%; Burlington 91.14%; Green Mountain 80.55%; and Starr Farm 90.60% County Average (weighted) 89.53%. DAIL reports that while Medicaid participating beds have declined in VT (345 less beds in 2015 than 2005), the occupancy rates of nursing homes have decreased regardless. From DAIL Division of Rate Setting: <http://dail.vermont.gov/dail-publications/publications-monthly-reports/bed-and-day-trends>.

NOTE: There was also a question about jails and people who are incarcerated or recently released? In terms of the regional plan, it's probably more an issue of transitional housing. We do track incarceration rates by race in Section 2.3.3. Otherwise really can't get into a need assessment for transitional housing now.