



# CHITTENDEN COUNTY RPC

*Communities Planning Together*

## CCRPC Long Range Planning Committee

### AGENDA

DATE: Thursday, November 10, 2016

TIME: **8:30am to 10:00am**

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

1. **Welcome** – 5 minutes
2. **Elect Chair and Vice Chair** (Action) - 5 minutes
3. **Plan Update Schedule** (Discussion) – 10 minutes
4. **Plan Update Overview** (Discussion) – 30 minutes  
We will provide a brief update of the Plan components that need to be updated: Energy Plan, MTP (with transportation model), CEDS (including project list), Planning Area Map update, Chapter 2 Key Issues (with lots to add in), Chapter 3 Actions
5. **Plan Update Organization** (Discussion) – 20 minutes  
We will discuss some possibilities for alternative plan layouts – both print and online.
6. **Future Population Projections\*** (Discussion) – 20 minutes  
This will be an initial introduction to the topic of future population forecasts. Additional, information, including municipal level projections, will be provided at future meetings.
7. **Next Meetings** – 5 minutes  
Thursday, December 8, 2016 from 8:30am to 10:00am  
Thursday, January 12, 2016 from 8:30am to 10:00am
8. 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](mailto:evaughn@ccrpcvt.org), no later than 3 business days prior to the meeting for which services are requested.

## CCRPC Long Range Planning Committee

11/10/2016

### Agenda Item 6: Future Population Forecasts

#### Issue

This will be the initial introduction to the topic of future population forecasts. Additional information, including municipal level projections, will be provided at future meetings.

Vermont Statute requires that all plans shall be based upon surveys of existing conditions and probable future trends, and shall be made in the light of present and future growth and requirements (24 VSA §4302(d)). Therefore, CCRPC has historically prepared future demographic projections for the Regional Plan and the Metropolitan Transportation Plan. As we prepare for the 2018 update of the ECOS Plan, we need to yet again set the County's population, housing, and employment projections. More specifically, projections are needed as inputs to the Energy Plan and the update to the Travel Demand Model which will have implications for the MTP.

In previous iterations of approving projections, the CCMPO/CCRPC have agreed that forecasts should **describe the future as we expect it to be, not as what we want it to be**. Essentially, projections are a necessary planning tool, but we don't necessarily need to be tied to the specific future that they prescribe.

We have recently contracted with RSG to update our model and they have subcontracted with Economic & Policy Resources (EPR) for the purpose of updating the demographic forecast that feeds into the Travel Demand Model.

At the same time, we are starting work on the Regional Energy Plan which is using a different population projection. Both of these projections are different from our ECOS Plan projections (see next page).

As seen in the table below, the projection estimates are different due to the types of methodology employed to arrive at these estimates. EPR's initial forecast is derived statistically from the June 2016 Vermont Statewide Population Consensus Forecast Prepared by the Legislative Joint Fiscal Office–Shumlin Administration that was employed in the most recent VTrans Long-Range Transportation Plan update. ACCD's projections are based on the mortality, birth rate and migration rate from 1990 to 2000. A complete methodology for the ACCD projections can be found [here](#).

	2010 Census	2015 <sup>1</sup>	2020	2030	2040	2050
EPR	156,545	161,382	163,569	166,837	169,537	N/A
VEIC/ACCD			165,690	171,718	N/A	186,890*

1-Census Population Estimate

\*-VEIC extended the ACCD projections out to 2050. The estimate for 2050 is not part of the actual ACCD projection estimate.

For your information, our current ECOS Plan projections are:

	<b>2010 Census</b>	<b>2015</b>	<b>2025</b>	<b>2035</b>
<b>Population</b>	156,545	164,170	184,694	205,445
<b>Housing</b>	61,827	65,693	74,987	83,020
<b>Employment</b>	122,248	133,864	151,854	171,783

Source: 2013 Chittenden County ECOS Plan, 2011 Woods and Poole Forecast for Chittenden County- Adopted by CCRPC 9/2011

**Staff Recommendation:** There is no recommendation at this time.

**For more information, contact:** Melanie Needle  
mneedle@ccrpcvt.org or 846-4490 ext. \*27

# Memo



**To:** Jonathan Slason, RSG  
**From:** Robert A. Chase and John M. Dellipriscoli, *Economic & Policy Resources*  
**Date:** October 7, 2016  
**Re:** Initial Chittenden County Population Forecast Estimates

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The attached is an initial population forecast for Chittenden County. The initial forecast is derived statistically from the June 2016 Vermont Statewide Population Consensus Forecast—Legislative Joint Fiscal Office–Shumlin Administration that was employed in the most recent VTrans Long-Range Transportation Plan update. As such, the Chittenden County population forecast has not been judgmentally modified, nor have any “add-factors” (for external factors or developments) been applied to the straight statistical algorithm. The County forecast employed a statistical shares approach, where trended shares were applied to the statewide consensus forecasts in total and by age grouping. These two approaches were then brought to convergence to produce the results in the table below.

The data in the table indicate that the total population in Chittenden County is expected to grow at a very moderate pace, expanding from an estimated 161,382 people in 2015 to 169,537 people in 2040 – an average annual rate of 0.20%. This rate of growth is similar, but slightly higher, than the trend forecasted at the state level, with the total resident population of the State of Vermont expected to expand at an average annual rate of 0.17% during the same period. The Chittenden County population projections attached to the memo show the breakdown across age cohorts, indicating similar moderate growth trends, though showing a slight decline in population in the aged 20 - 24 years and aged 25 - 44 years age cohorts from 2015 to 2040.

The driving age population in Chittenden County (which is defined to include residents aged 16 – 84 years) as a share of its total county population is projected to increase slightly, by approximately 0.4 percentage points in 2040 relative to 2015. The same driving age cohort at the state level is expected to reduce its share of the total population by almost three percentage points by 2040. The county level growth in residents in driving age population appears to be the result of added residents in the older age cohorts as the county’s population ages, with the addition of almost 16,000 residents in the aged 45 – 64 years and aged over 65 years cohorts from 2015 to 2040. The contrast in the growth in share of total population composed of eligible drivers between the state and Chittenden County shows that while on the whole the population is expected to grow older on average over the 2015-2040 period, Chittenden County appears to be able to offset the population that is no longer able to drive with in-migrants and younger residents reaching the age where they are eligible to drive.

<b>Population--Chittenden County</b>									
Calendar Year	Total Population	Total Over 65 Years	Total Under 65 Years	Total 0-4 Years	Total 5-19 Years	Total 20-24 Years	Total 25-44 Years	Total 45-64 Years	Driving Age Population 16-84 Years
2015	161,382	22,049	139,333	7,976	29,738	18,117	40,556	42,946	131,041
2020	163,569	30,271	133,298	7,066	30,264	14,915	32,729	48,325	133,838
2025	165,326	30,479	134,847	7,159	30,653	15,398	33,149	48,487	135,143
2030	166,837	30,266	136,570	7,248	30,975	15,577	33,133	49,639	136,267
2035	168,175	30,162	138,013	7,338	31,229	15,706	33,393	50,347	137,241
2040	169,537	30,230	139,307	7,410	31,527	15,806	33,807	50,757	138,286

*Prepared by Economic & Policy Resources, Inc.*

<b>Population--State of Vermont -- Consensus Population Forecast--Legislative Joint Fiscal Office-Adminstration. June 2016.</b>									
Calendar Year	Total Population	Total Over 65 Years	Total Under 65 Years	Total 0-4 Years	Total 5-19 Years	Total 20-24 Years	Total 25-44 Years	Total 45-64 Years	Driving Age Population 16-84 Years
2015	626,042	109,893	516,149	30,408	110,275	47,168	142,298	186,000	506,969
2020	633,337	130,399	502,939	31,248	106,814	43,414	149,150	172,312	513,103
2025	639,122	150,149	488,973	31,434	106,316	41,590	154,134	155,499	516,632
2030	644,123	164,754	479,368	31,091	106,866	40,751	155,486	145,175	515,045
2035	648,644	169,407	479,237	30,405	108,659	40,375	156,131	143,667	512,027
2040	653,458	166,954	486,504	30,297	109,001	42,117	151,709	153,380	510,076

*Prepared by Economic & Policy Resources, Inc.*