

MEMORANDUM

DATE: February 14, 2007

TO: PPACG Board of Directors

FROM: Craig Casper, Transportation Director
Aaron Klibaner, Regional Economic Planning Manager

THROUGH: Robert MacDonald, Executive Director

SUBJECT: PPACG 2035 Small Area Forecast Draft:
Release for Public Review and Comment

ACTION REQUESTED: Approval for Release for Public Comment

SUMMARY:

PPACG prepares a socioeconomic forecast each time it updates its long-range transportation plan. The small area forecast is used to estimate the number of households and jobs in future years. These numbers are used by PPACG's travel demand model to project the number of trips (auto, transit, and pedestrian) within the region. These results are then used to verify Air Quality Conformity for the region. The disaggregation methodology used for the 2035 Small Area Forecast (SAF) is a considerable departure from the methodology used to prepare the 2025 and 2030 Small Area Forecasts, and relies on the use of a socioeconomic forecasting software package called TELUM (Transportation, Employment, Land Use Model) that represents an evolution of a software package used by PPACG in the early 1990s called DRAM/EMPAL. This model family currently enjoys the widest popularity and implementation of all socioeconomic models because of the reasonable and reliable results, replicability, availability of data, and ease of use. The TELUM forecasting software increases the rigor and sophistication of the 2035 Small Area Forecast by interacting with PPACG's travel demand model. Studies have shown a very strong link between location of development and transportation conditions. The TELUM forecasting model is explained in detail in Attachment 1.

This memorandum and associated attachments explain the 2035 Small Area Forecast process as preparation for the desired March 14th Board approval of the draft forecast for use in development of the 2008 Long Range Transportation Plan. The detailed data set containing the county control totals for population and employment and the small area level are included in Attachments 2 through 6. Maps showing the population density in 2005, 2035, and the change in density between those two years are included in Attachment 7, and maps showing the employment density in 2005, 2035, and the change in density between those two years are included in Attachment 8.

The goal for the February PPACG Board of Directors meeting is to release the Draft 2035 SAF for public comment. At the end of the comment period, all comments received by PPACG staff

will be addressed. The Draft 2035 SAF must be used in the preparation of the 2035 Long Range Transportation Plan. Approval of the Draft 2035 SAF is now scheduled for March 14, 2007. The results of the 2035 forecast are a considerable departure from the 2030 forecast because the 2035 forecast distributes 2006 State Demographer forecasts of jobs and households into 676 zones using TELUM for years 2015, 2025, and 2035; while the 2030 forecast distributed 2003 State Demographer forecasts of jobs and households into 505 zones using methodology developed by Fred Crowley for years 2010, 2020, and 2030.

PREVIOUS BOARD ACTION:

The Board approved the original 2030 Small Area Forecast on December 10, 2003 and the Revised 2030 Forecast on August 9, 2006. The 2030 control totals are included below.

***2030 Small Area Forecast
Population Control Totals***

	Year 2010	Year 2020	Year 2030
2003 2030 Forecast	606,181	701,168	801,734
2006 Revised 2030 Forecast	629,825	724,812	825,378

BACKGROUND:

Region

The region covered by the 2035 Small Area Forecast includes El Paso and Teller Counties. The 2030 Small Area Forecast covered only El Paso County.

Draft 2035 Small Area Forecast

This version of the 2035 Small Area Forecast has been developed based on input from PPACG’s 2030 travel demand model, or in other words, a 2030 travel network produced from PPACG’s 2030 Long Range Transportation Plan. Staff desires that the Draft 2035 Small Area Forecast be approved by the PPACG Board of Directors during their March 14, 2007 meeting. In order to produce the Final 2035 Small Area Forecast, the 2035 travel network must be completed. The 2035 travel network will be created when the 2035 Long Range Transportation Plan is completed, now scheduled for December 2007. When this task is completed, input from the new 2035 travel network and new travel demand model will be input into the TELUM socioeconomic forecasting model, and the Final 2035 Small Area Forecast will be produced. Approval of the Final 2035 Small Area Forecast by the PPACG Board of Directors is anticipated for 2008.

***2035 Small Area Forecast
Population and Employment Control Totals***

	Population							
	2000	2005	2010	2015	2020	2025	2030	2035
El Paso County	520,571	565,341	647,600	708,186	762,879	816,060	869,071	935,542
Teller County	21,147	22,348	24,982	27,958	30,841	33,408	35,720	37,771
Model Area	541,718	587,689	672,582	736,144	793,720	849,468	904,791	973,313

El Paso County Employment

	2005	2010	2015	2020	2025	2030	2035
Basic	50,727	58,443	65,521	72,510	79,450	86,697	93,052
Retail	57,174	66,485	74,741	82,507	89,808	97,064	104,731
TCU_Gov/Service1	48,090	55,303	61,635	67,502	72,895	78,116	84,124
FIRES/Service2	56,510	67,236	77,362	87,282	96,858	106,390	116,259
Hosp_Amuse/Service3	69,189	82,569	95,419	108,352	121,326	134,844	146,362
Total Civilian	281,690	330,036	374,678	418,154	460,338	503,112	544,528
Military	39,999	50,654	50,654	50,654	50,654	50,654	50,654
Total	321,689	380,690	425,332	468,808	510,992	553,766	595,182

Teller County Employment

	2005	2010	2015	2020	2025	2030	2035
Basic	1,657	1,930	2,103	2,305	2,496	2,647	2,788
Retail	1,541	1,835	2,035	2,264	2,490	2,679	2,818
TCU_Gov/Service1	1,370	1,618	1,780	1,966	2,149	2,299	2,454
FIRES/Service2	1,518	1,832	2,054	2,302	2,537	2,724	2,944
Hosp_Amuse/Service3	3,827	4,703	5,379	6,171	6,986	7,735	8,281
Total Civilian	9,913	11,918	13,351	15,008	16,657	18,083	19,285
Military	-	-	-	-	-	-	-
Total	9,913	11,918	13,351	15,008	16,657	18,083	19,285

Pikes Peak Area Total Employment

	2005	2010	2015	2020	2025	2030	2035
Basic	52,384	60,373	67,624	74,815	81,946	89,344	95,840
Retail	58,715	68,320	76,776	84,771	92,298	99,743	107,549
TCU_Gov/Service1	49,460	56,921	63,415	69,468	75,044	80,415	86,578
FIRES/Service2	58,028	69,068	79,416	89,584	99,395	109,114	119,203
Hosp_Amuse/Service3	73,016	87,272	100,798	114,523	128,312	142,579	154,643
Total Civilian	291,603	341,954	388,029	433,162	476,995	521,195	563,813
Military	39,999	50,654	50,654	50,654	50,654	50,654	50,654
Total	331,602	392,608	438,683	483,816	527,649	571,849	614,467

FINANCIAL IMPLICATIONS:

None

STAKEHOLDER PROCESS:

The Regional Economic Forum (REF) and Small Area Forecast Subcommittee of the REF; the Transportation Advisory Committee (TAC); and the Citizens Advisory Committee (CAC) recommend that the Board of Directors release the Draft 2035 Small Area Forecast in its current form for public comment, with the condition that minor adjustments requested by the members of the Small Area Forecast Subcommittee would be made during the public comment period, and then the final draft version of the SAF would be reviewed by all three committees and the subcommittee prior to the Board’s March 14, 2007 meeting.

ALTERNATIVES:

1. The Board may approve the Draft 2035 Small Area Forecast for a public comment period in its current form with the condition that minor adjustments suggested by the Small Area Forecast Subcommittee will be addressed during the public comment period;
2. The Board may deny approval of the Draft 2035 Small Area Forecast at this time and postpone approval to a later date. This would have the effect of delaying the public comment period and therefore the completion date of the Small Area Forecast and the start date of the 2035 Long Range Transportation Plan.

RECOMMENDATION:

PPACG staff recommends that the Board of Directors approve the Draft 2035 Small Area Forecast in its current form for release for public comment period with the condition that minor adjustments suggested by the Small Area Forecast Subcommittee will be addressed by PPACG staff during the public comment period.

PROPOSED MOTION:

Release the Draft 2035 Small Area Forecast for a public comment period providing that the minor adjustments suggested by the Small Area Forecast Subcommittee will be addressed by PPACG staff during the public comment period.

ATTACHMENTS:

1. Small Area Forecast: TELUM Model Documentation
2. Population: 2005-2035 Chart
3. El Paso County Employment: 2005-2035 Chart
4. Teller County Employment: 2005-2035 Chart
5. Total Employment: 2005-2035 Chart
6. Small Area Population and Employment Data Spreadsheet
7. Population Density Maps: 2005, 2035, Change 2005-2035
8. Employment Density Maps: 2005, 2035, Change 2005-2035