

Appendix L

Core and Mueller

IMPLAN Economic Analysis

Q: How much of the reduction in gasoline, etc. spending can we assume to fold back into the local economy?
Personal transit expenditure savings will be spent proportionally on all other categories of consumer spending (e.g. if they spent 20% on food on average they would spend 20% of the savings on food, 24% on housing 24% of savings on housing etc....).

Personal Consumption Expenditures by Major Type of Product

[Billions of dollars] Seasonally adjusted at annual rates

Line		2011				2012				2013		Average	AN Industry Classification	Percent
		I	II	III	IV	I	II	III	IV	I	II			
1	Personal consumption expenditures (PCE)	10527.1	10662.6	10778.6	10878.9	11019.1	11100.2	11193.6	11285.5	11379.2	11430.3			
2	Goods	3532.2	3588.2	3622.3	3668.2	3729.3	3738.4	3784.9	3826.1	3851.8	3851.6			
3	Durable goods	1115.1	1116.6	1129	1158.9	1184.3	1189.3	1206.5	1230.7	1244.8	1258.3			
4	Motor vehicles and parts	368.7	358.6	363.4	384.4	395.4	394.6	401.8	415.1	421.3	422.2	392.55	320 and 414	4%
5	Furnishings and durable household equipment	253.7	258.2	261.7	266.7	273	273.3	276.2	277.9	280.7	283.6	270.5	321	3%
6	Recreational goods and vehicles	317.8	319.6	321.5	325.7	329.9	332.2	336.1	339.9	342.3	346.9	331.19	328	4%
7	Other durable goods	174.9	180.3	182.4	182.1	186	189.1	192.4	197.8	200.6	205.7	189.13	329	2%
8	Nondurable goods	2417.1	2471.5	2493.3	2509.3	2545	2549.2	2578.4	2595.4	2607	2593.2			
9	Food and beverages purchased for off-premises consumption	815.6	831.2	839.9	845.2	854.3	861	866	871.8	878.9	877.1	854.1	324	10%
10	Clothing and footwear	331.1	337.3	339.5	345.3	352	352.1	357.1	357.4	360	364.2	349.6	327	4%
11	Gasoline and other energy goods	393.1	414.3	417.2	411.2	416.9	410.1	419.5	421.6	418.3	397.1	411.93	326	5%
12	Other nondurable goods	877.3	888.7	896.7	907.6	921.8	926	935.9	944.7	949.7	954.9	920.33	NA	NA
13	Services	6995	7074.4	7156.3	7210.7	7289.7	7361.8	7408.7	7459.4	7527.4	7578.7			
14	Household consumption expenditures (for services)	6722.7	6798.8	6871.6	6931.6	7009.5	7071.3	7117.2	7159.6	7243.6	7296.6			
15	Housing and utilities	1935.9	1952.2	1975.9	1979.5	1982.7	2013.9	2029.5	2029.4	2065.8	2080.6	2004.54	418	23%
16	Health care	1742	1763.9	1768.3	1796.9	1826.2	1835.9	1855.9	1872.5	1889.2	1899.5	1825.03	325, 396, and 394	21%
17	Transportation services	301.2	306.8	310.9	314	315.5	318.1	318.9	319.8	324.2	324.7	315.41	332 and 336	4%
18	Recreation services	390.7	399.1	403.1	405.9	412.8	415.2	419.2	419	423.4	426.7	411.51	410 and 407	5%
19	Food services and accommodations	639.9	654.1	665.8	674.9	688.1	698.2	703.4	717.2	725.6	731	689.82	411, 412, and 413	8%
20	Financial services and insurance	788.2	792.1	810.8	813.3	820.9	821.3	817.9	824.2	835.1	845.1	816.89	358	9%
21	Other services	924.7	930.7	936.9	947	963.4	968.6	972.4	977.5	980.4	989	959.06	NA	NA
22	Final consumption expenditures of nonprofit institutions serving househ	272.2	275.6	284.7	279.1	280.2	290.5	291.5	299.8	283.8	282.1			

Source: Bureau of Economic Analysis

Last Revised on: July 31, 2013 - Next Release Date August 29, 2013

Total 10741.59 100%

Transit expenditure savings will be spend on

IMPLAN Industry Classification Code	Percent	local consumers spend tarsnit savings on
320	2%	\$ 6,620,189.03
414	2%	\$ 6,620,189.03
321	3%	\$ 9,123,735.23
328	4%	\$ 11,170,757.38
329	2%	\$ 6,379,194.25
324	10%	\$ 28,808,067.51
327	4%	\$ 11,791,711.04
326	5%	\$ 13,894,049.00
418	23%	\$ 67,611,431.50
325	7%	\$ 20,518,903.89
396	7%	\$ 20,518,903.89
394	7%	\$ 20,518,903.89
332	2%	\$ 5,319,255.69
336	2%	\$ 5,319,255.69
407	2%	\$ 6,939,941.38
410	2%	\$ 6,939,941.38
411	3%	\$ 7,755,680.88
412	3%	\$ 7,755,680.88
413	3%	\$ 7,755,680.88
358	9%	\$ 27,553,005.81
	100%	\$ 298,914,478.24

Total Transit
expenditure savings

Scenario Name	Scenario Level
Transit expenditure	1

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
320	Retail Stores - Motor vehicle and parts	0	\$ 6,569,182	12.80	2013	1.032	1.034	\$ 613,502.36	\$ 189,146.65

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
414	Automotive repair and maintenance, except car washes	0	\$ 6,569,182	74.84	2013	1.050	1.034	\$ 2,531,287.55	\$ 1,250,153.27

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
321	Retail Stores - Furniture and home furnishings	0	\$ 9,053,438	48.09	2013	1.032	1.034	\$ 1,645,424.83	\$ 320,324.95

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
328	Retail Stores - Sporting goods, hobby, book and music	0	\$ 11,084,689	84.64	2013	1.032	1.034	\$ 1,809,616.19	\$ 487,117.33

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
329	Retail Stores - General merchandise	0	\$ 6,330,044	29.15	2013	1.032	1.034	\$ 809,307.35	\$ 958.00

Activity 6

ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	324	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
324	Retail Stores - Food and beverage	0	\$ 28,586,106	132.82	2013	1.032	1.034	\$ 4,019,932.82	\$ 327,950.92

Activity 7

ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	327	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
327	Retail Stores - Clothing and clothing accessories	0	\$ 11,700,858	78.53	2013	1.032	1.034	\$ 1,559,717.38	\$ 387,944.06

Activity 8

ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	326	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
326	Retail Stores - Gasoline stations	0	\$ 13,786,998	22.29	2013	1.032	1.034	\$ 538,282.49	\$ 195,434.65

Activity 9

ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	418	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
418	Personal and household goods repair and maintenance	0	\$ 67,090,497	524.78	2013	1.042	1.034	\$ 12,562,767.58	\$ 25,691,046.22

Activity 10

ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	325	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
325	Retail Stores - Health and personal care	0	\$ 20,360,809	81.10	2013	1.032	1.034	\$ 2,767,341.10	\$ 583,599.54

Activity 11

ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	396	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
396	Medical and diagnostic labs and outpatient and other ambulatory care services	0	\$ 20,360,809	139.50	2013	1.052	1.034	\$ 8,318,966.75	\$ 2,343,062.94

Activity 12

ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	394	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
394	Offices of physicians, dentists, and other health practitioners	0	\$ 20,360,809	148.81	2013	1.062	1.034	\$ 10,227,744.81	\$ 2,881,421.17

Activity 13

ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	332	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
332	Transport by air	0	\$ 5,278,272	15.41	2013	1.046	1.034	\$ 1,312,156.43	\$ (1,906.17)

Activity 14

ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	336	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
336	Transit and ground passenger transportation	0	\$ 5,278,272	70.71	2013	1.038	1.034	\$ 3,258,295.04	\$ 282,996.55

Activity 15

ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	407	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
407	Fitness and recreational sports centers	0	\$ 6,886,470	138.67	2013	1.061	1.034	\$ 3,727,330.95	\$ (2,721.07)

Activity 16			
ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	410	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
410	Other amusement and recreation industries	0	\$ 6,886,470	106.51	2013	1.061	1.034	\$ 3,540,386.75	\$ (3,058.25)

Activity 17			
ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	411	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
411	Hotels and motels, including casino hotels	0	\$ 7,695,925	67.23	2013	1.064	1.034	\$ 2,101,666.83	\$ 225,967.49

Activity 18			
ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	412	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
412	Other accommodations	0	\$ 6,886,470	74.05	2013	1.064	1.034	\$ 2,258,900.58	\$ 312,056.85

Activity 19			
ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	413	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
413	Food services and drinking places	0	\$ 7,695,925	126.44	2013	1.048	1.034	\$ 2,665,472.23	\$ 325,873.11

Activity 20			
ActivityType	ActivityName	ActivityLevel	ActivityYear
Industry Change	358	1	2013

Events									
Sector	Description	Basis	EventValue	Employment	EventYear	Deflator	GDPDeflator	EmployeeCompensation	ProprietorIncome
358	Insurance agencies, brokerages, and related activities	0	\$ 27,340,715	183.21	2013	1.017	1.034	\$ 13,417,715.10	\$ 18,099.95

Impact Summary

ImpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	1,655	\$ 82,579,895	\$ 105,035,860	\$ 159,050,949
Indirect Effect	282	\$ 14,126,451	\$ 23,472,124	\$ 37,363,683
Induced Effect	383	\$ 17,507,036	\$ 31,867,974	\$ 51,489,023
Total Effect	2,319	\$ 114,213,383	\$ 160,375,957	\$ 247,903,655