

THE METRO AREA IMPACT OF HOME BUILDING IN BROWN COUNTY, WI

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LOCAL ECONOMIC IMPACT

Construction phase

- Jobs
- Materials
- Local fees, taxes, contributions

Ripple or feed-back from construction

Wages spent in local economy

Occupancy phase

• Earnings spent in local economy



The model does <u>not</u> say build housing to stimulate the local economy

Rather, it is job creation that results in increased demand for housing, but remember that.....

HOUSING => JOBS



CONSTRUCTION PHASE

INPUTS:



\$\$ VALUE OF CONSTRUCTION **\$\$**SERVICES PROVIDED AT CLOSING
PERMIT/HOOK-UP FEES

\$ \$ \$

(Obtained from Local Sources)



MODEL OF THE LOCAL ECONOMY



OUTPUTS:

INCOME FOR LOCAL RESIDENTS &

TAX/FEE REVENUE FOR LOCAL GOVERNMENTS

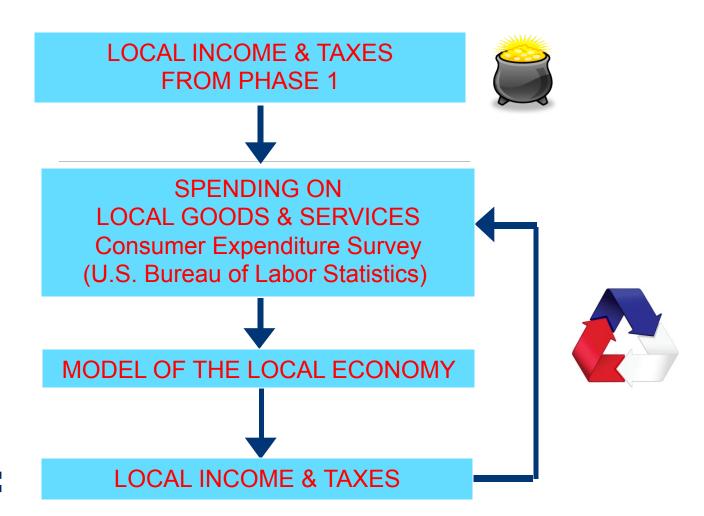






RIPPLE PHASE

INPUTS:

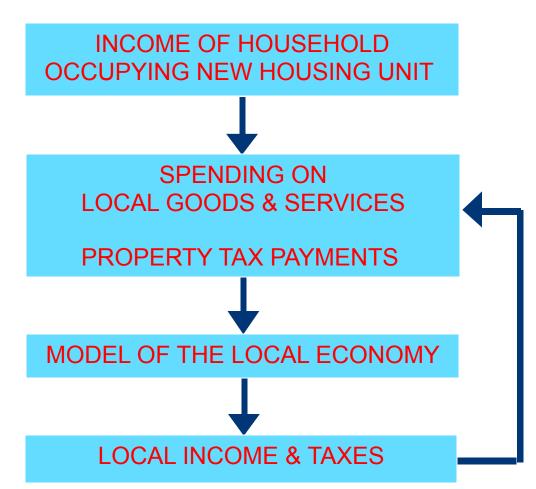






OCCUPANCY PHASE

INPUTS:

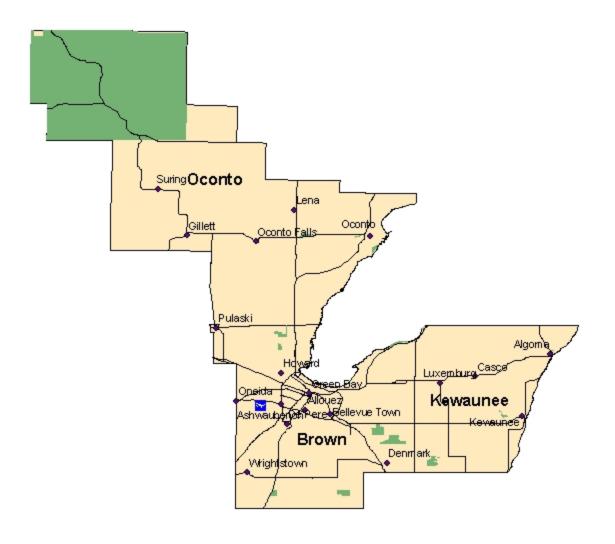




OUTPUTS:



Green Bay, WI MSA





The Green Bay, WI MSA Multiplier

Only Captures Spending that Stays in the MSA

Includes:

Banking, Car Repair, Dry Cleaning, Day Care Services, Dental Services, Electricity, Landscaping, Legal Services, Manicures, Medical Services, Newspaper Delivery, Restaurants and Psychiatric Care.

But Not:

Auto Manufacturing, Beer Bottling, Mattress Manufacturing, Meat Packing, Movie Production, and Travel Agency Services



History of the Model

Over 600 Economic Impact Analyses Performed Users of the Model Include:

Boone County Kentucky

Habitat for Humanity, International

MI State Housing Development Authority

Michigan State University

Missouri Housing Development Commission

University of Florida

University of Massachusetts

University of Montana

West Virginia Housing Development Fund...



Assumptions of the Model

<u>Inputs To Model</u> <u>Single Family</u>

Average house price: \$232,850

Average raw lot cost: \$12,000

Permits/Infrastructure: \$4,565

Annual prop. taxes: \$4,794



Economic Impact of Single Family Home Building

1st - Construction phase

2nd - Ripple effect from construction phase

3rd - Occupancy phase

4th - Ten year total



FIRST YEAR IMPACT: SF Construction Every 100 SF Homes

Local Income	Local Taxes	Local Jobs	
\$11,138,000	\$890,000	199	

INCLUDING:

138 Jobs in Construction30 Jobs in Wholesale & Retail Trade16 Jobs in Business and Professional Services



FIRST YEAR IMPACT: SF Ripple

Local Income	Local Taxes	Local Jobs
\$4,611,000	\$431,000	95

INCLUDING:

- 23 Jobs in Wholesale and Retail Trade
- 11 Jobs in Health, Education & Social Services
 - 8 Jobs in Business and Professional Services



ONGOING SF ANNUAL EFFECT

Local Income	Local Taxes	Local Jobs
\$2,739,000	\$801,000	57

INCLUDING:

14 Jobs in Wholesale and Retail Trade

7 Jobs in Local Government

6 Jobs in Health, Education & Social Services



Total SF Impact: First Ten Years

Local Income	Local Taxes
\$41,770,000	\$8,931,000

Along with 294 temporary jobs And 57 permanent ones!



Largest Local Employers

Employer	# of FT Jobs
Humana	3,146
Schneider National, Inc.	3,094
Oneida Tribe of Indians of WI	2,916
Georgia-Pacific Corp	2,600
Bellin Health	1,998
Aurora Health Care	1,703
St. Vincent Hospital	1,637
American Foods Group	1,591
WI Public Service	1,573
JBSPackerland	1,450
ShopKo Stores	1,353
Associated Banc-Corp.	1,086
KI	1,046
Proctor & Gamble Paper Products	969
Wal-Mart Stores, Inc.	968
Ameriprise Auto & Home Insurance	959
21. New SF Residential Construction (400 Units)	800



BUTNEW HOMES REQUIRE:

INFRASTRUCTURE

- Fire and police protection
- Garbage collection
- Parks and recreational opportunities
- Roads
- Correctional facilities
- Primary and secondary education
- •Etc...



Required Current Expenses per SF Unit

Function	Single Family	State Aid
Education	\$2,006	64%
Police Protection	\$581	0%
Fire Protection	\$335	0%
Corrections	\$193	0%
Streets and Highways	\$130	71%
Water Supply	\$143	0%
Sew erage	\$226	0%
Health Services	\$116	85%
Recreation and Culture	\$296	0%
Other General Government	\$514	64%
Electric Utilities	\$32	0%
Public Transit	\$15	73%
Total	\$4,588	



Required Capital per SF Unit

Function	Single Family	
Schools	\$6,007	
Hospitals	\$394	
Other Buildings	\$1,480	
Highw ays and Streets	\$2,046	
Conservation and Dev.	\$10	
Sew er Systems	\$3,305	
Water Supply	\$1,845	
Other Structures	\$1,144	
Equipment	\$179	
Total	\$16,410	



Now that we know:

The benefits of construction

&

The costs of construction

Does new construction pay for itself?



Yes it does!

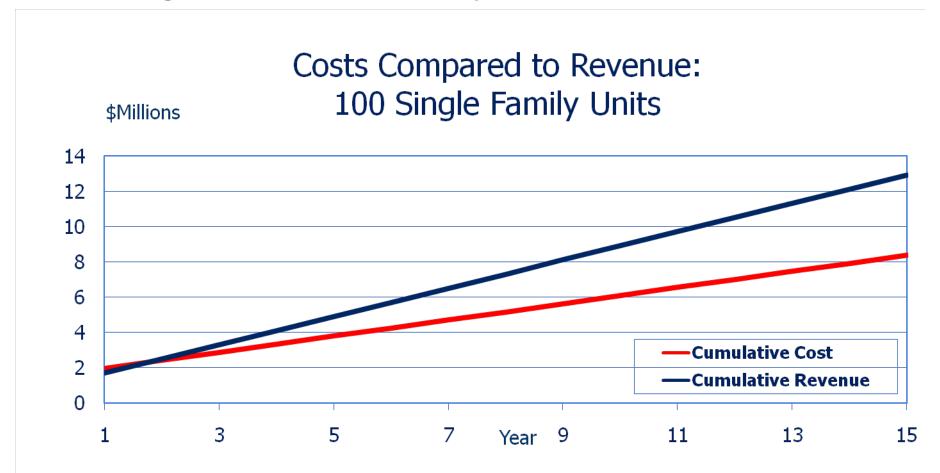
For every 100 SF units--

- By the end of the 2nd year the debt is fully paid off
- By the 2nd year economic impacts offset fiscal costs
- In the 2nd year, net is \$332,480 and is \$343,280 thereafter

	Current		Operating	Investment	Debt at	Interest	Net
Year	Expenses	Revenue	Surplus	Start of Year	Year End	On Debt	Income
1	229,400	1,720,891	1,491,491	1,641,000	221,709	72,200	-221,709
2	458,700	800,980	342,280	0	0	9,800	332,480
3	458,700	800,980	342,280	0	0	0	342,280
4	458,700	800,980	342,280	0	0	0	342,280
5	458,700	800,980	342,280	0	0	0	342,280
6	458,700	800,980	342,280	0	0	0	342,280
7	458,700	800,980	342,280	0	0	0	342,280
8	458,700	800,980	342,280	0	0	0	342,280
9	458,700	800,980	342,280	0	0	0	342,280
10	458,700	800,980	342,280	0	0	0	342,280



Over 15 years, every 890 SF units generate a cumulative \$12.9 million in revenue for local governments—but only \$8.4 million in costs





What does 2 years really mean?

- That is, should it be done faster, or is it O.K.?
- Big purchases take time to pay off.
- Car loans now last 5 years, and many lease!
- How fast did you pay off your student loans?
- How fast are your kids paying off theirs?
- Did you pay off your home in 2 years?



Almost done, just a bit more



How Large Are Non Property Tax Revenues

Single family property taxes are \$4,794/unit per year but, yearly revenue is \$8,010/unit per year, which is 67% more.

Clearly, property taxes are not the whole story!



A Closer Look at Primary and Secondary Education

- 12.6% attend private schools nationally
- 1.7% are Home schooled nationally
- 0.4 school age children/MF unit nationally
- 0.6 school age children/SF unit nationally
- WI State aid is \$286 million or 64% of budget



ANY QUESTIONS?

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Thank you very much!

