

2009

APPENDIX D PAGE 1

COUNTY MULTIPLIERS FOR 1998 BASE RATES FOR USE IN 2009 EQUALIZATION STUDIES

COMMERCIAL AND INDUSTRIAL

COUNTY	A	B	C	D	S
ALCONA	1.44	1.38	1.32	1.23	1.38
ALGER	1.45	1.38	1.32	1.27	1.42
ALLEGAN	1.49	1.43	1.37	1.31	1.44
ALPENA	1.49	1.43	1.35	1.30	1.44
ANTRIM	1.45	1.41	1.32	1.24	1.38
ARENAC	1.47	1.41	1.35	1.30	1.43
BARAGA	1.44	1.37	1.32	1.24	1.38
BARRY	1.49	1.43	1.36	1.30	1.44
BAY	1.58	1.51	1.43	1.38	1.54
BENZIE	1.44	1.38	1.31	1.23	1.38
BERRIEN					
BRANCH	1.53	1.50	1.41	1.34	1.49
CALHOUN	1.60	1.55	1.47	1.41	1.58
CASS	1.56	1.52	1.44	1.38	1.53
CHARLEVOIX	1.44	1.37	1.31	1.23	1.40
CHEBOYGAN	1.45	1.41	1.32	1.24	1.37
CHIPPEWA	1.47	1.41	1.35	1.33	1.43
CLARE	1.49	1.44	1.36	1.30	1.44
CLINTON	1.58	1.52	1.44	1.37	1.53
CRAWFORD	1.45	1.41	1.31	1.23	1.38
DELTA	1.49	1.43	1.36	1.34	1.45
DICKINSON	1.48	1.42	1.36	1.31	1.44
EATON	1.59	1.53	1.47	1.39	1.53
EMMET	1.45	1.37	1.29	1.24	1.42
GENESEE	1.68	1.63	1.54	1.50	1.61
GLADWIN	1.48	1.41	1.35	1.30	1.42
GOGEBIC	1.45	1.41	1.35	1.29	1.42
GRAND TRAVERSE	1.49	1.43	1.37	1.31	1.45
GRATIOT	1.49	1.44	1.37	1.30	1.44
HILLSDALE	1.59	1.54	1.47	1.42	1.57
HOUGHTON	1.48	1.42	1.36	1.30	1.42
HURON	1.51	1.48	1.38	1.35	1.47
INGHAM	1.64	1.58	1.51	1.45	1.60
IONIA	1.49	1.44	1.37	1.30	1.43
IOSCO	1.49	1.43	1.36	1.30	1.43
IRON	1.47	1.42	1.35	1.30	1.43
ISABELLA	1.51	1.48	1.38	1.36	1.49
JACKSON	1.62	1.57	1.50	1.45	1.59
KALAMAZOO	1.63	1.55	1.49	1.41	1.59
KALKASKA	1.45	1.41	1.32	1.24	1.38
KENT	1.53	1.49	1.41	1.36	1.50
KEWEENAW	1.44	1.36	1.32	1.27	1.38
LAKE	1.41	1.37	1.29	1.23	1.40

**2009 COUNTY MULTIPLIERS FOR 1998 BASE RATES
(Continued)**

COMMERCIAL AND INDUSTRIAL

COUNTY	A	B	C	D	S
LAPEER	1.63	1.58	1.51	1.45	1.60
LEELANAU	1.45	1.41	1.34	1.24	1.38
LENAWEE	1.64	1.58	1.51	1.48	1.60
LIVINGSTON	1.66	1.58	1.51	1.45	1.60
LUCE	1.45	1.38	1.32	1.27	1.38
MACKINAC	1.45	1.38	1.34	1.30	1.40
MACOMB	1.74	1.70	1.62	1.51	1.68
MANISTEE	1.47	1.41	1.35	1.24	1.40
MARQUETTE	1.52	1.48	1.38	1.36	1.49
MASON	1.45	1.41	1.34	1.24	1.42
MENOMINEE	1.47	1.42	1.36	1.31	1.43
MIDLAND	1.55	1.50	1.41	1.36	1.53
MISSAUKEE	1.44	1.41	1.32	1.23	1.38
MONROE	1.75	1.72	1.64	1.54	1.68
MONTCALM	1.48	1.43	1.37	1.30	1.43
MONTMORENCY	1.41	1.35	1.29	1.22	1.37
MUSKEGON	1.53	1.49	1.38	1.35	1.50
NEWAYGO	1.48	1.43	1.35	1.29	1.44
OAKLAND	1.77	1.72	1.65	1.59	1.77
OCEANA	1.48	1.42	1.32	1.27	1.42
OGEMAW	1.48	1.42	1.32	1.27	1.42
ONTONAGON	1.44	1.37	1.32	1.24	1.38
OSCEOLA	1.47	1.41	1.35	1.27	1.42
OSCODA	1.41	1.37	1.29	1.22	1.37
OTSEGO	1.41	1.37	1.31	1.23	1.40
OTTAWA	1.55	1.50	1.42	1.35	1.49
PRESQUE ISLE	1.45	1.38	1.31	1.23	1.40
ROSCOMMON	1.48	1.41	1.34	1.27	1.42
SAGINAW	1.58	1.53	1.48	1.41	1.57
ST. CLAIR	1.68	1.66	1.57	1.50	1.65
ST. JOSEPH	1.53	1.49	1.39	1.33	1.47
SANILAC	1.53	1.51	1.42	1.35	1.50
SCHOOLCRAFT	1.45	1.38	1.32	1.27	1.38
SHIAWASSEE	1.66	1.60	1.51	1.45	1.60
TUSCOLA	1.52	1.48	1.41	1.35	1.47
VAN BUREN	1.51	1.48	1.37	1.31	1.44
WASHTENAW	1.75	1.70	1.64	1.55	1.72
WAYNE	1.79	1.75	1.65	1.63	1.77
WEXFORD	1.47	1.41	1.32	1.24	1.42

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**COUNTY MULTIPLIERS FOR 2003 BASE RATES
FOR USE IN 2009 EQUALIZATION STUDIES**

COMMERCIAL AND INDUSTRIAL

COUNTY	A	B	C	D	S
ALCONA	1.16	1.15	1.14	1.07	1.15
ALGER	1.17	1.15	1.15	1.08	1.16
ALLEGAN	1.23	1.22	1.19	1.13	1.21
ALPENA	1.21	1.22	1.18	1.11	1.19
ANTRIM	1.19	1.18	1.15	1.09	1.16
ARENAC	1.20	1.18	1.17	1.09	1.18
BARAGA	1.16	1.15	1.14	1.07	1.14
BARRY	1.21	1.21	1.18	1.12	1.21
BAY	1.29	1.27	1.24	1.18	1.28
BENZIE	1.19	1.18	1.14	1.08	1.16
BERRIEN	1.29	1.28	1.27	1.20	1.30
BRANCH	1.26	1.24	1.21	1.16	1.24
CALHOUN	1.32	1.30	1.30	1.27	1.33
CASS	1.30	1.29	1.27	1.20	1.28
CHARLEVOIX	1.14	1.12	1.14	1.07	1.14
CHEBOYGAN	1.16	1.12	1.14	1.08	1.14
CHIPPEWA	1.16	1.19	1.17	1.09	1.18
CLARE	1.21	1.21	1.17	1.11	1.21
CLINTON	1.28	1.27	1.25	1.18	1.28
CRAWFORD	1.16	1.15	1.15	1.08	1.16
DELTA	1.19	1.22	1.17	1.11	1.19
DICKINSON	1.19	1.19	1.17	1.11	1.18
EATON	1.31	1.29	1.28	1.22	1.30
EMMET	1.17	1.18	1.14	1.08	1.16
GENESEE	1.40	1.36	1.32	1.29	1.38
GLADWIN	1.20	1.19	1.16	1.09	1.19
GOGEBIC	1.17	1.16	1.16	1.09	1.15
GRAND TRAVERSE	1.26	1.24	1.21	1.16	1.26
GRATIOT	1.21	1.21	1.19	1.12	1.22
HILLSDALE	1.30	1.29	1.27	1.20	1.31
HOUGHTON	1.19	1.18	1.16	1.09	1.18
HURON	1.25	1.23	1.21	1.15	1.24
INGHAM	1.32	1.32	1.31	1.27	1.37
IONIA	1.23	1.23	1.20	1.13	1.21
IOSCO	1.23	1.21	1.18	1.11	1.19
IRON	1.17	1.18	1.16	1.09	1.18
ISABELLA	1.26	1.23	1.20	1.15	1.26
JACKSON	1.32	1.32	1.31	1.23	1.33
KALAMAZOO	1.33	1.31	1.31	1.27	1.32
KALKASKA	1.17	1.16	1.15	1.08	1.16
KENT	1.30	1.28	1.27	1.20	1.30
KEWEENAW	1.14	1.10	1.12	1.07	1.15
LAKE	1.14	1.12	1.12	1.07	1.16

revised 3-17-09

2009 COUNTY MULTIPLIERS FOR 2003 BASE RATES
(Continued)

COMMERCIAL AND INDUSTRIAL

COUNTY	A	B	S	C	D	
LAPEER	1.31	1.31		1.30	1.23	1.35
LEELANAU	1.19	1.18		1.15	1.09	1.16
LENAWEE	1.35	1.33		1.32	1.29	1.35
LIVINGSTON	1.35	1.32		1.32	1.29	1.35
LUCE	1.13	1.12		1.12	1.07	1.14
MACKINAC	1.13	1.12		1.14	1.08	1.16
MACOMB	1.42	1.41		1.38	1.32	1.42
MANISTEE	1.17	1.16		1.16	1.09	1.18
MARQUETTE	1.21	1.23		1.20	1.14	1.24
MASON	1.16	1.16		1.15	1.09	1.16
MECOSTA	1.23	1.21		1.17	1.11	1.19
MENOMINEE	1.19	1.19		1.17	1.11	1.18
MIDLAND	1.28	1.24		1.22	1.16	1.27
MISSAUKEE	1.16	1.15		1.14	1.08	1.16
MONROE	1.43	1.44		1.40	1.35	1.43
MONTCALM	1.21	1.21		1.18	1.12	1.21
MONTMORENCY	1.13	1.12		1.12	1.06	1.15
MUSKEGON	1.28	1.27		1.24	1.19	1.26
NEWAYGO	1.23	1.21		1.17	1.11	1.19
OAKLAND	1.44	1.45		1.42	1.37	1.47
OCEANA	1.19	1.18		1.15	1.08	1.18
OGEMAW	1.20	1.19		1.15	1.08	1.18
ONTONAGON	1.16	1.15		1.14	1.07	1.14
OSCEOLA	1.17	1.16		1.16	1.09	1.18
OSCODA	1.14	1.12		1.12	1.06	1.14
OTSEGO	1.16	1.15		1.14	1.07	1.15
OTTAWA	1.28	1.28		1.25	1.16	1.27
PRESQUE ISLE	1.14	1.15		1.12	1.06	1.14
ROSCOMMON	1.19	1.18		1.15	1.08	1.18
SAGINAW	1.31	1.30		1.25	1.19	1.32
ST. CLAIR	1.36	1.33		1.32	1.30	1.37
ST. JOSEPH	1.26	1.25		1.21	1.16	1.26
SANILAC	1.26	1.25		1.21	1.15	1.26
SCHOOLCRAFT	1.13	1.12		1.12	1.07	1.14
SHIAWASSEE	1.38	1.34		1.35	1.29	1.38
TUSCOLA	1.26	1.23		1.20	1.15	1.26
VAN BUREN	1.25	1.24		1.21	1.14	1.22
WASHTENAW	1.43	1.43		1.40	1.34	1.43
WAYNE	1.45	1.46		1.42	1.38	1.49
WEXFORD	1.17	1.18		1.15	1.09	1.16

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COUNTY MULTIPLIERS FOR 1998 BASE RATES FOR USE IN 2009 EQUALIZATION STUDIES

RESIDENTIAL	FRAME			
	COUNTY	MASONARY	SIDING	BRICK VENEER FARM
ALCONA	1.27	1.22	1.22	1.23
ALGER	1.27	1.24	1.24	1.27
ALLEGAN	1.31	1.28	1.28	1.29
ALPENA	1.29	1.27	1.27	1.28
ANTRIM	1.27	1.23	1.23	1.23
ARENAC	1.29	1.27	1.27	1.27
BARAGA	1.27	1.23	1.23	1.24
BARRY	1.30	1.27	1.27	1.28
BAY	1.38	1.36	1.36	1.37
BENZIE	1.26	1.22	1.22	1.23
BERRIEN	1.41	1.36	1.36	1.35
BRANCH	1.35	1.30	1.30	1.31
CALHOUN	1.42	1.38	1.38	1.41
CASS	1.41	1.36	1.36	1.37
CHARLEVOIX	1.26	1.22	1.22	1.24
CHEBOYGAN	1.27	1.23	1.23	1.23
CHIPPEWA	1.29	1.29	1.29	1.29
CLARE	1.30	1.27	1.27	1.28
CLINTON	1.41	1.34	1.34	1.35
CRAWFORD	1.26	1.22	1.22	1.23
DELTA	1.30	1.30	1.30	1.30
DICKINSON	1.30	1.28	1.28	1.28
EATON	1.42	1.37	1.37	1.37
EMMET	1.25	1.23	1.23	1.24
GENESEE	1.51	1.48	1.48	1.48
GLADWIN	1.29	1.27	1.27	1.27
GOGEBIC	1.29	1.26	1.26	1.27
GRAND TRAVERSE	1.31	1.28	1.28	1.29
GRATIOT	1.31	1.27	1.27	1.28
HILLSDALE	1.42	1.40	1.40	1.41
HOUGHTON	1.30	1.27	1.27	1.27
HURON	1.32	1.32	1.32	1.31
INGHAM	1.47	1.43	1.43	1.44
IONIA	1.31	1.27	1.27	1.28
IOSCO	1.30	1.27	1.27	1.28
IRON	1.29	1.27	1.27	1.28
ISABELLA	1.32	1.33	1.33	1.32
JACKSON	1.46	1.43	1.43	1.44
KALAMAZOO	1.45	1.38	1.38	1.41
KALKASKA	1.27	1.23	1.23	1.23
KENT	1.35	1.33	1.33	1.35
KEWEENAW	1.27	1.24	1.24	1.24
LAKE	1.25	1.22	1.22	1.24

2009 COUNTY MULTIPLIERS FOR 1998 BASE RATES

RESIDENTIAL	FRAME			
	COUNTY	MASONARY	SIDING	BRICK VENEER
LAPEER	1.47	1.43	1.43	1.46
LEELANAU	1.28	1.23	1.23	1.23
LENAWEE	1.47	1.45	1.45	1.47
LIVINGSTON	1.47	1.43	1.43	1.44
LUCE	1.27	1.24	1.24	1.24
MACKINAC	1.28	1.27	1.27	1.26
MACOMB	1.56	1.49	1.49	1.51
MANISTEE	1.29	1.23	1.23	1.24
MARQUETTE	1.32	1.33	1.33	1.32
MASON	1.28	1.23	1.23	1.26
MECOSTA	1.28	1.24	1.24	1.27
MENOMINEE	1.30	1.28	1.28	1.28
MIDLAND	1.35	1.33	1.33	1.35
MISSAUKEE	1.27	1.22	1.22	1.23
MONROE	1.58	1.53	1.53	1.53
MONTCALM	1.31	1.27	1.27	1.28
MONTMORENCY	1.25	1.20	1.20	1.21
MUSKEGON	1.32	1.32	1.32	1.32
NEWAYGO	1.29	1.26	1.26	1.28
OAKLAND	1.59	1.56	1.56	1.58
OCEANA	1.27	1.24	1.24	1.26
OGEMAW	1.27	1.24	1.24	1.26
ONTONAGON	1.27	1.23	1.23	1.24
OSCEOLA	1.29	1.24	1.24	1.26
OSCODA	1.25	1.20	1.20	1.21
OTSEGO	1.26	1.22	1.22	1.23
OTTAWA	1.37	1.32	1.32	1.32
PRESQUE ISLE	1.26	1.22	1.22	1.23
ROSCOMMON	1.28	1.24	1.24	1.26
SAGINAW	1.44	1.38	1.38	1.41
ST. CLAIR	1.53	1.48	1.48	1.50
ST. JOSEPH	1.34	1.29	1.29	1.30
SANILAC	1.37	1.32	1.32	1.32
SCHOOLCRAFT	1.27	1.24	1.24	1.24
SHIAWASSEE	1.47	1.43	1.43	1.46
TUSCOLA	1.35	1.32	1.32	1.31
VAN BUREN	1.31	1.28	1.28	1.29
WASHTENAW	1.58	1.54	1.54	1.55
WAYNE	1.59	1.61	1.61	1.59
WEXFORD	1.27	1.23	1.23	1.24

2009

COUNTY MULTIPLIERS FOR 2003 BASE RATES FOR USE IN 2009 EQUALIZATION STUDIES

RESIDENTIAL	FRAME			
	COUNTY	MASONARY	SIDING	BRICK VENEER
ALCONA	1.09	1.05	1.05	1.09
ALGER	1.10	1.06	1.06	1.11
ALLEGAN	1.14	1.12	1.12	1.15
ALPENA	1.13	1.09	1.09	1.12
ANTRIM	1.10	1.07	1.07	1.11
ARENAC	1.12	1.07	1.07	1.12
BARAGA	1.09	1.05	1.05	1.09
BARRY	1.14	1.11	1.11	1.14
BAY	1.22	1.18	1.18	1.20
BENZIE	1.09	1.06	1.06	1.10
BERRIEN	1.24	1.19	1.19	1.21
BRANCH	1.20	1.16	1.16	1.18
CALHOUN	1.26	1.23	1.23	1.26
CASS	1.25	1.19	1.19	1.21
CHARLEVOIX	1.09	1.05	1.05	1.09
CHEBOYGAN	1.09	1.06	1.06	1.09
CHIPPEWA	1.12	1.07	1.07	1.11
CLARE	1.12	1.09	1.09	1.14
CLINTON	1.24	1.17	1.17	1.19
CRAWFORD	1.10	1.06	1.06	1.10
DELTA	1.12	1.09	1.09	1.14
DICKINSON	1.12	1.09	1.09	1.12
EATON	1.25	1.20	1.20	1.21
EMMET	1.09	1.06	1.06	1.11
GENESEE	1.28	1.26	1.26	1.29
GLADWIN	1.11	1.07	1.07	1.12
GOGEBIC	1.11	1.07	1.07	1.10
GRAND TRAVERSE	1.20	1.16	1.16	1.18
GRATIOT	1.14	1.12	1.12	1.15
HILLSDALE	1.24	1.19	1.19	1.21
HOUGHTON	1.11	1.07	1.07	1.11
HURON	1.20	1.14	1.14	1.17
INGHAM	1.27	1.23	1.23	1.27
IONIA	1.17	1.12	1.12	1.15
IOSCO	1.13	1.09	1.09	1.14
IRON	1.11	1.07	1.07	1.12
ISABELLA	1.17	1.14	1.14	1.17
JACKSON	1.27	1.22	1.22	1.24
KALAMAZOO	1.27	1.23	1.23	1.26
KALKASKA	1.10	1.06	1.06	1.10
KENT	1.24	1.19	1.19	1.21
KEWEENAW	1.08	1.05	1.05	1.09
LAKE	1.09	1.05	1.05	1.10

2009 COUNTY MULTIPLIERS FOR 2003 BASE RATES

RESIDENTIAL	FRAME			
	COUNTY	MASONARY	SIDING	BRICK VENEER
LAPEER	1.26	1.22	1.22	1.26
LEELANAU	1.10	1.07	1.07	1.11
LENAWEE	1.28	1.26	1.26	1.27
LIVINGSTON	1.28	1.26	1.26	1.27
LUCE	1.08	1.05	1.05	1.09
MACKINAC	1.09	1.06	1.06	1.10
MACOMB	1.34	1.29	1.29	1.32
MANISTEE	1.11	1.07	1.07	1.11
MARQUETTE	1.17	1.13	1.13	1.16
MASON	1.11	1.07	1.07	1.11
MECOSTA	1.13	1.09	1.09	1.14
MENOMINEE	1.12	1.09	1.09	1.12
MIDLAND	1.21	1.16	1.16	1.18
MISSAUKEE	1.09	1.06	1.06	1.10
MONROE	1.37	1.33	1.33	1.37
MONTCALM	1.14	1.11	1.11	1.14
MONTMORENCY	1.08	1.04	1.04	1.09
MUSKEGON	1.22	1.18	1.18	1.19
NEWAYGO	1.13	1.09	1.09	1.14
OAKLAND	1.38	1.35	1.35	1.39
OCEANA	1.10	1.06	1.06	1.11
OGEMAW	1.11	1.06	1.06	1.11
ONTONAGON	1.09	1.05	1.05	1.09
OSCEOLA	1.11	1.07	1.07	1.11
OSCODA	1.08	1.04	1.04	1.08
OTSEGO	1.09	1.05	1.05	1.09
OTTAWA	1.23	1.16	1.16	1.19
PRESQUE ISLE	1.08	1.04	1.04	1.08
ROSCOMMON	1.10	1.06	1.06	1.11
SAGINAW	1.24	1.18	1.18	1.21
ST. CLAIR	1.28	1.27	1.27	1.29
ST. JOSEPH	1.21	1.16	1.16	1.18
SANILAC	1.20	1.14	1.14	1.17
SCHOOLCRAFT	1.08	1.05	1.05	1.09
SHIAWASSEE	1.30	1.26	1.26	1.29
TUSCOLA	1.20	1.14	1.14	1.18
VAN BUREN	1.20	1.13	1.13	1.16
WASHTENAW	1.37	1.30	1.30	1.35
WAYNE	1.38	1.36	1.36	1.41
WEXFORD	1.10	1.07	1.07	1.11