

**1999 COUNTY MULTIPLIERS FOR 1998 BASE RATES  
FOR USE IN 1999 EQUALIZATION STUDIES**

**RESIDENTIAL**

**Brick**

**County Masonry Siding Veneer Farm**

Alcona .91 .88 .88 .90	Gratiot .96 .92 .92 .94	Missaukee .92 .88 .88 .90
Alger .91 .88 .88 .91	Hillsdale 1.00 .98 .98 1.00	Monroe 1.08 1.06 1.06 1.07
Allegan .95 .94 .94 .94	Houghton .92 .90 .90 .91	Montcalm .95 .93 .93 .94
Alpena .92 .90 .90 .91	Huron .96 .95 .95 .95	Montmorency .90 .87 .87 .89
Antrim .92 .89 .89 .90	Ingham 1.03 1.01 1.01 1.03	Muskegon .96 .95 .95 .96
Arenac .93 .91 .91 .93	Ionia .96 .93 .93 .94	Newaygo .93 .90 .90 .92
Baraga .91 .87 .87 .89	Iosco .94 .91 .91 .93	Oakland 1.10 1.09 1.09 1.09
Barry .94 .93 .93 .94	Iron .92 .89 .89 .91	Oceana .92 .90 .90 .92
Bay .96 .95 .95 .96	Isabella .96 .96 .96 .97	Ogemaw .91 .89 .89 .91
Benzie .91 .88 .88 .90	Jackson 1.00 .99 .99 .99	Ontonagon .91 .88 .88 .90
Berrien .98 .96 .96 .97	Kalamazoo 1.01 .99 .99 1.00	Osceola .92 .90 .90 .92
Branch .97 .95 .95 .97	Kalkaska .92 .89 .89 .90	Oscoda .90 .87 .87 .89
Calhoun 1.01 .99 .99 1.00	Kent .98 .96 .96 .97	Otsego .91 .88 .88 .89
Cass .98 .94 .94 .96	Keweenaw .90 .88 .88 .90	Ottawa .97 .95 .95 .96
Charlevoix .90 .88 .88 .90	Lake .90 .89 .89 .90	Presque Isle .91 .88 .88 .90
Cheboygan .92 .89 .89 .90	Lapeer 1.01 1.00 1.00 1.00	Roscommon .91 .89 .89 .91
Chippewa .91 .90 .90 .91	Leelanau .93 .89 .89 .90	Saginaw .98 .97 .97 .98
Clare .93 .91 .91 .92	Lenawee 1.01 1.00 1.00 1.01	Sanilac .97 .95 .95 .97
Clinton .99 .97 .97 .98	Livingston 1.03 1.01 1.01 1.03	Schoolcraft .89 .88 .88 .90
Crawford .91 .88 .88 .89	Luce .89 .88 .88 .90	Shiawassee 1.02 1.00 1.00 1.01
Delta .92 .91 .91 .92	Mackinac .90 .90 .90 .91	St. Clair 1.05 1.04 1.04 1.05
Dickinson .93 .92 .92 .93	Macomb 1.06 1.04 1.04 1.06	St. Joseph .95 .94 .94 .95
Eaton 1.00 .98 .98 .98	Manistee .92 .89 .89 .9	Tuscola .97 .95 .95 .96
Emmet .90 .88 .88 .91	Marquette .94 .93 .93 .94	Van Buren .96 .94 .94 .95
Genesee 1.04 1.03 1.03 1.04	Mason .92 .90 .90 .91	Washtenaw 1.07 1.05 1.05 1.07
Gladwin .92 .91 .91 .92	Mecosta .92 .90 .90 .92	Wayne 1.11 1.10 1.10 1.11
Gogebic .91 .89 .89 .91	Menominee .93 .91 .91 .93	Wexford .92 .89 .89 .91
Grand Traverse .94 .93 .93 .93	Midland .97 .96 .96 .97	

**1999 COUNTY MULTIPLIERS FOR 1998 BASE RATES  
FOR USE IN 1999 EQUALIZATION STUDIES**

**COMMERCIAL & INDUSTRIAL**

**County A B C D S**

Alcona .92 .91 .91 .88 .92	Gratiot .96 .96 .96 .92 .96	Missaukee .92 .92 .92 .88 .92
Alger .93 .91 .91 .88 .93	Hillsdale 1.00 .99 1.00 .98 1.01	Monroe 1.08 1.08 1.08 1.06 1.07
Allegan .96 .95 .95 .94 .95	Houghton .94 .92 .92 .90 .93	Montcalm .95 .95 .95 .93 .95
Alpena .95 .94 .92 .90 .92	Huron .97 .96 .96 .95 .96	Montmorency .91 .89 .90 .87 .91
Antrim .93 .93 .92 .89 .91	Ingham 1.05 1.04 1.03 1.01 1.05	Muskegon .98 .96 .96 .95 .96
Arenac .94 .93 .93 .91 .94	Ionia .96 .95 .96 .93 .95	Newaygo .94 .93 .93 .90 .94
Baraga .92 .91 .91 .87 .91	Iosco .95 .94 .94 .91 .94	Oakland 1.10 1.10 1.10 1.09 1.10
Barry .96 .95 .94 .93 .96	Iron .93 .93 .92 .89 .93	Oceana .95 .94 .92 .90 .94
Bay .98 .96 .96 .95 .97	Isabella .97 .96 .96 .96 .97	Ogemaw .94 .93 .91 .89 .93
Benzie .92 .92 .91 .88 .92	Jackson 1.01 1.01 1.00 .99 1.00	Ontonagon .92 .91 .91 .88 .91
Berrien .98 .98 .98 .96 .98	Kalamazoo 1.02 1.00 1.01 .99 1.01	Osceola .93 .92 .92 .90 .93
Branch .99 .97 .97 .95 .98	Kalkaska .93 .92 .92 .89 .92	Oscoda .92 .91 .90 .87 .91
Calhoun 1.01 1.01 1.01 .99 1.01	Kent .98 .98 .98 .96 .97	Otsego .92 .91 .91 .88 .90
Cass .98 .98 .98 .94 .98	Keweenaw .92 .90 .90 .88 .91	Ottawa .98 .97 .97 .95 .97
Charlevoix .92 .92 .90 .88 .91	Lake .91 .90 .90 .89 .91	Presque Isle .92 .92 .91 .88 .91
Cheboygan .93 .91 .92 .89 .91	Lapeer 1.01 1.01 1.01 1.00 1.01	Roscommon .94 .93 .91 .89 .93
Chippewa .91 .90 .91 .90 .91	Leelanau .93 .92 .93 .89 .91	Saginaw 1.00 .99 .98 .97 .99
Clare .95 .90 .91 .90 .91	Lenawee 1.02 1.01 1.01 1.00 1.02	Sanilac .99 .98 .97 .95 .98
Clinton 1.00 .99 .99 .97 1.00	Livingston 1.04 1.04 1.03 1.01 1.04	Schoolcraft .91 .90 .89 .88 .91
Crawford .93 .92 .91 .88 .91	Luce .91 .90 .89 .88 .91	Shiawassee 1.03 1.02 1.02 1.00 1.03
Delta .93 .93 .92 .91 .93	Mackinac .91 .90 .90 .90 .91	St. Clair 1.06 1.05 1.05 1.04 1.06
Dickinson .93 .93 .93 .92 .93	Macomb 1.07 1.06 1.06 1.04 1.07	St. Joseph .97 .96 .95 .94 .96
Eaton 1.00 .99 1.00 .98 .99	Manistee .92 .92 .92 .89 .91	Tuscola .98 .97 .97 .95 .97
Emmet .92 .92 .90 .88 .93	Marquette .95 .95 .94 .93 .94	Van Buren .96 .96 .96 .94 .95
Genesee 1.05 1.04 1.04 1.03 1.05	Mason .93 .92 .92 .90 .92	Washtenaw 1.08 1.07 1.07 1.05 1.08
Gladwin .94 .93 .92 .91 .93	Mecosta .95 .93 .92 .90 .94	Wayne 1.11 1.11 1.11 1.10 1.11
Gogebic .93 .92 .91 .89 .93	Menominee .93 .93 .93 .91 .94	Wexford .94 .93 .92 .89 .93
Grand Traverse .96 .94 .94 .93 .94	Midland .99 .96 .97 .96 .97	

**1999 COUNTY MULTIPLIERS FOR 1991 BASE RATES  
FOR USE IN 1999 EQUALIZATION STUDIES**

**RESIDENTIAL**

**Brick**

**County Masonry Siding Veneer Farm**

Alcona 1.10 1.19 1.19 1.17	Gratiot 1.16 1.22 1.22 1.20	Missaukee 1.08 1.16 1.16 1.15
Alger 1.11 1.19 1.19 1.18	Hillsdale 1.22 1.25 1.25 1.25	Monroe 1.32 1.34 1.34 1.35
Allegan 1.14 1.23 1.23 1.20	Houghton 1.11 1.19 1.19 1.18	Montcalm 1.13 1.20 1.20 1.18
Alpena 1.09 1.16 1.16 1.15	Huron 1.16 1.22 1.22 1.20	Montmorency 1.08 1.16 1.16 1.15
Antrim 1.09 1.16 1.16 1.16	Ingham 1.25 1.30 1.30 1.30	Muskegon 1.16 1.22 1.22 1.20
Arenac 1.10 1.20 1.20 1.17	Ionia 1.14 1.22 1.22 1.19	Newaygo 1.10 1.19 1.19 1.17
Baraga 1.11 1.19 1.19 1.17	Iosco 1.10 1.19 1.19 1.17	Oakland 1.34 1.36 1.36 1.38
Barry 1.14 1.20 1.20 1.20	Iron 1.11 1.20 1.20 1.18	Oceana 1.10 1.19 1.19 1.17
Bay 1.17 1.22 1.22 1.22	Isabella 1.16 1.22 1.22 1.21	Ogemaw 1.08 1.16 1.16 1.15
Benzie 1.08 1.15 1.15 1.15	Jackson 1.22 1.27 1.27 1.25	Ontonagon 1.10 1.19 1.19 1.16
Berrien 1.19 1.26 1.26 1.23	Kalamazoo 1.24 1.27 1.27 1.27	Osceola 1.09 1.16 1.16 1.16
Branch 1.21 1.25 1.25 1.25	Kalkaska 1.09 1.16 1.16 1.16	Oscoda 1.07 1.15 1.15 1.14
Calhoun 1.25 1.29 1.29 1.30	Kent 1.21 1.24 1.24 1.23	Otsego 1.08 1.19 1.19 1.15
Cass 1.18 1.25 1.25 1.23	Keweenaw 1.10 1.19 1.19 1.16	Ottawa 1.13 1.22 1.22 1.19
Charlevoix 1.08 1.15 1.15 1.15	Lake 1.09 1.16 1.16 1.15	Presque Isle 1.09 1.19 1.19 1.15
Cheboygan 1.08 1.19 1.19 1.15	Lapeer 1.23 1.25 1.25 1.17	Roscommon 1.08 1.16 1.16 1.15
Chippewa 1.10 1.16 1.16 1.17	Leelanau 1.09 1.16 1.16 1.15	Saginaw 1.18 1.24 1.24 1.23
Clare 1.10 1.19 1.19 1.17	Lenawee 1.24 1.29 1.29 1.27	St. Clair 1.30 1.31 1.31 1.32
Clinton 1.18 1.24 1.24 1.22	Livingston 1.28 1.30 1.30 1.31	St. Joseph 1.17 1.24 1.24 1.22
Crawford 1.08 1.16 1.16 1.15	Luce 1.11 1.19 1.19 1.18	Sanilac 1.18 1.23 1.23 1.22
Delta 1.10 1.19 1.19 1.17	Mackinac 1.10 1.19 1.19 1.17	Schoolcraft 1.11 1.19 1.19 1.18
Dickinson 1.14 1.23 1.23 1.20	Macomb 1.32 1.34 1.34 1.35	Shiawassee 1.23 1.27 1.27 1.26
Eaton 1.21 1.27 1.27 1.25	Manistee 1.08 1.16 1.16 1.14	Tuscola 1.16 1.22 1.22 1.21
Emmet 1.08 1.15 1.15 1.15	Marquette 1.14 1.23 1.23 1.20	Van Buren 1.17 1.24 1.24 1.22
Genesee 1.28 1.30 1.30 1.31	Mason 1.09 1.16 1.16 1.16	Washtenaw 1.31 1.35 1.35 1.35
Gladwin 1.11 1.19 1.19 1.17	Mecosta 1.10 1.19 1.19 1.17	Wayne 1.32 1.37 1.37 1.38
Gogebic 1.11 1.19 1.19 1.18	Menominee 1.11 1.19 1.19 1.18	Wexford 1.08 1.16 1.16 1.15
Grand Traverse 1.09 1.16 1.16 1.15	Midland 1.16 1.22 1.22 1.21	

**1999 COUNTY MULTIPLIERS FOR 1991 BASE RATES  
FOR USE IN 1999 EQUALIZATION STUDIES**

**COMMERCIAL & INDUSTRIAL**

**County A B C D S**

Alcona 1.16 1.16 1.11 1.11 1.13	Gratiot 1.21 1.21 1.18 1.16 1.15	Missaukee 1.15 1.14 1.11 1.08 1.10
Alger 1.18 1.16 1.15 1.13 1.14	Hillsdale 1.23 1.24 1.21 1.19 1.18	Monroe 1.30 1.31 1.27 1.30 1.25
Allegan 1.21 1.20 1.18 1.16 1.16	Houghton 1.18 1.16 1.15 1.13 1.14	Montcalm 1.18 1.19 1.15 1.15 1.14
Alpena 1.16 1.15 1.09 1.09 1.10	Huron 1.21 1.21 1.18 1.16 1.15	Montmorency 1.14 1.12 1.09 1.08 1.10
Antrim 1.15 1.15 1.09 1.09 1.12	Ingham 1.27 1.27 1.24 1.22 1.22	Muskegon 1.21 1.20 1.16 1.16 1.14
Arenac 1.17 1.16 1.15 1.13 1.14	Ionia 1.21 1.20 1.18 1.15 1.14	Newaygo 1.17 1.15 1.12 1.13 1.14
Baraga 1.17 1.16 1.15 1.11 1.13	Iosco 1.18 1.16 1.12 1.13 1.12	Oakland 1.31 1.34 1.29 1.33 1.27
Barry 1.19 1.20 1.15 1.16 1.16	Iron 1.18 1.16 1.16 1.13 1.14	Oceana 1.17 1.15 1.12 1.13 1.14
Bay 1.23 1.22 1.18 1.17 1.17	Isabella 1.19 1.20 1.16 1.16 1.16	Ogemaw 1.17 1.15 1.09 1.08 1.10
Benzie 1.15 1.14 1.08 1.08 1.10	Jackson 1.25 1.26 1.22 1.20 1.19	Ontonagon 1.17 1.16 1.15 1.09 1.12
Berrien 1.22 1.21 1.20 1.21 1.19	Kalamazoo 1.26 1.25 1.22 1.22 1.20	Osceola 1.16 1.15 1.11 1.11 1.12
Branch 1.24 1.22 1.20 1.19 1.18	Kalkaska 1.17 1.15 1.11 1.09 1.12	Oscoda 1.14 1.12 1.08 1.07 1.09
Calhoun 1.25 1.26 1.23 1.23 1.20	Kent 1.22 1.22 1.20 1.18 1.16	Otsego 1.15 1.12 1.11 1.08 1.10
Cass 1.22 1.21 1.19 1.20 1.19	Keweenaw 1.17 1.14 1.12 1.09 1.12	Ottawa 1.21 1.20 1.16 1.15 1.14
Charlevoix 1.15 1.14 1.08 1.08 1.10	Lake 1.14 1.13 1.09 1.09 1.09	Presque Isle 1.15 1.15 1.11 1.09 1.10
Cheboygan 1.15 1.12 1.11 1.08 1.10	Lapeer 1.25 1.26 1.21 1.20 1.19	Roscommon 1.17 1.15 1.11 1.08 1.12
Chippewa 1.15 1.14 1.11 1.09 1.13	Leelanau 1.15 1.14 1.11 1.09 1.10	Saginaw 1.25 1.25 1.20 1.18 1.19
Clare 1.17 1.16 1.12 1.13 1.14	Lenawee 1.26 1.26 1.23 1.21 1.21	St. Clair 1.29 1.31 1.26 1.25 1.25
Clinton 1.23 1.22 1.20 1.18 1.18	Livingston 1.28 1.28 1.25 1.23 1.22	St. Joseph 1.21 1.21 1.19 1.18 1.17
Crawford 1.18 1.14 1.09 1.08 1.10	Luce 1.16 1.15 1.12 1.11 1.14	Sanilac 1.24 1.24 1.19 1.18 1.18
Delta 1.17 1.16 1.12 1.09 1.13	Mackinac 1.16 1.14 1.12 1.09 1.13	Schoolcraft 1.17 1.16 1.12 1.11 1.14
Dickinson 1.19 1.19 1.19 1.15 1.16	Macomb 1.30 1.31 1.27 1.30 1.25	Shiawassee 1.25 1.26 1.22 1.21 1.20
Eaton 1.25 1.25 1.22 1.21 1.19	Manistee 1.15 1.14 1.09 1.08 1.09	Tuscola 1.22 1.22 1.18 1.16 1.17
Emmet 1.15 1.14 1.08 1.08 1.10	Marquette 1.21 1.20 1.19 1.15 1.16	Van Buren 1.21 1.22 1.19 1.18 1.17
Genesee 1.27 1.28 1.25 1.23 1.22	Mason 1.16 1.15 1.11 1.11 1.12	Washtenaw 1.31 1.32 1.28 1.27 1.26
Gladwin 1.17 1.15 1.12 1.14 1.12	Mecosta 1.16 1.15 1.12 1.13 1.12	Wayne 1.34 1.36 1.30 1.34 1.28
Gogebic 1.17 1.16 1.15 1.11 1.14	Menominee 1.18 1.16 1.15 1.13 1.14	Wexford 1.16 1.15 1.09 1.08 1.12
Grand Traverse 1.16 1.14 1.11 1.09 1.10	Midland 1.22 1.21 1.18 1.16 1.16	