

WORKERS COMP LOSS COST MULTIPLIERS AND EXPENSE CONSTANTS
Approved as of December 31, 2021

NAIC Code	Group Name	Company Name	Approved		Effective Date
			Expense Constant	LCM	
15334		Alliance Natl Ins Co	\$0	1.000	6/14/2021
18538		Bancinsure Inc	\$0	1.000	6/14/2021
13528		Brotherhood Mut Ins Co	\$140	1.309	10/1/2021
10642		Cherokee Ins Co	\$0	1.330	10/26/2009
18767		Church Mut Ins Co	\$140	1.405	11/1/2020
#####		DaimlerChrysler Ins Co	\$0	1.000	6/14/2021
11118		Federated Rural Electric Ins Exch	\$240	1.270	10/1/2008
28339		Gateway Ins Co	\$200	1.351	10/1/2008
11092		Global Liberty Ins Co of NY	\$200	1.348	10/1/2008
24309		Hereford Ins Co	\$200	1.258	10/1/2008
29998		Highview Natl Ins Co	\$220	1.220	9/15/2021
10200		Hiscox Ins Co Inc	\$125	1.450	7/7/2017
10749		Intrepid Ins Co	\$200	1.274	11/1/2016
38148		Lancer Ind Co	\$200	1.200	1/1/2018
37800		Lg Ins Co Ltd Us Br	\$200	1.351	11/23/2010
23108		Lumbermens Underwriting Alliance	\$200	1.589	10/1/2014
42269		Majestic Ins Co	\$0	1.000	6/14/2021
14508		Michigan Millers Mut Ins Co	\$190	1.172	10/1/2018
23663		National Amer Ins Co	\$200	1.395	7/1/2020
10762		New York Transportation Ins. Co	\$200	1.200	1/20/2021
27073		Nipponkoa Ins Co Ltd US Br	\$0	1.000	6/14/2021
14974		Pennsylvania Lumbermens Mut Ins	\$0	1.000	3/24/2020
12297		Petroleum Cas Co	\$1	1.023	10/1/2010
36234		Preferred Professional Ins Co	\$200	1.300	10/1/2008
12873		Privilege Underwriters Reciprocal Exchan	\$50	1.500	9/1/2015
38300		Samsung Fire & Marine Ins Co Ltd	\$200	1.368	1/1/2015
15563		SeaBright Ins Co	\$0	1.430	6/1/2017
38776		Sirius America Ins Co	\$200	1.280	9/1/2018
20613		Sparta Ins Co	\$200	1.448	10/1/2008
16265		Standard & Preferred Ins Co	\$200	1.250	2/1/2020
40134		SUA Ins Co	\$200	1.500	9/14/2010
23060		Tri-State Consumer Ins Co	\$200	1.420	12/1/2016
21172		Vanliner Ins Co	\$200	1.382	10/1/2008
40517		WCF National Ins Co	\$200	1.441	5/1/2020

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15350		West Bend Mut Ins Co	\$220	1.458	3/27/2020
31232		Work First Cas Co	\$200	1.489	11/25/2019
12304	ACCIDENT FUND	Accident Fund General Ins Co	\$250	1.350	6/2/2011
10166	ACCIDENT FUND	Accident Fund Ins Co of America	\$250	1.300	6/2/2011
12305	ACCIDENT FUND	Accident Fund National Ins Co	\$250	1.250	6/2/2011
29157	ACCIDENT FUND	United Wisconsin Ins Co	\$250	1.300	6/2/2011
22667	ACE LTD GRP	Ace Amer Ins Co	\$300	1.150	10/1/2019
20702	ACE LTD GRP	Ace Fire Underwriters Ins Co	\$300	1.035	10/1/2019
20699	ACE LTD GRP	Ace Prop & Cas Ins Co	\$300	1.231	10/1/2019
18279	ACE LTD GRP	Bankers Standard Ins Co	\$300	1.423	10/1/2019
43575	ACE LTD GRP	Indemnity Ins Co Of North Amer	\$300	1.035	10/1/2019
22713	ACE LTD GRP	Insurance Co of N Amer	\$300	1.265	10/1/2019
22748	ACE LTD GRP	Pacific Employers Ins Co	\$300	1.035	10/1/2019
10030	ACE LTD GRP	Westchester Fire Ins Co	\$300	1.179	10/1/2019
42552	AIX GRP	Nova Cas Co	\$200	1.540	10/15/2018
10472	ALLEGHANY GRP	Capitol Ind Corp	\$0	1.000	2/12/2021
21849	ALLIANZ INS GRP	American Automobile Ins Co	\$200	1.469	10/1/2021
21857	ALLIANZ INS GRP	American Ins Co	\$200	1.000	10/1/2020
21865	ALLIANZ INS GRP	Associated Ind Corp	\$200	1.000	10/1/2020
21873	ALLIANZ INS GRP	Firemans Fund Ins Co	\$200	1.175	10/1/2021
21881	ALLIANZ INS GRP	National Surety Corp	\$200	1.249	10/1/2021
19984	AMERICAN CONTRACTORS INS GRP	ACIG Ins Co	\$0	1.310	12/1/2021
23337	AMERICAN EUROPEAN GRP	American European Ins Co	\$200	1.252	11/22/2019
26832	AMERICAN FINANCIAL GRP	Great Amer Alliance Ins Co	\$200	1.140	10/1/2013
26344	AMERICAN FINANCIAL GRP	Great Amer Assur Co	\$200	1.140	10/1/2013
16691	AMERICAN FINANCIAL GRP	Great Amer Ins Co	\$200	1.270	10/1/2013
22136	AMERICAN FINANCIAL GRP	Great Amer Ins Co of NY	\$200	1.270	10/1/2013
31135	AMERICAN FINANCIAL GRP	Great Amer Security Ins Co	\$0	1.000	4/3/2020
33723	AMERICAN FINANCIAL GRP	Great Amer Spirit Ins Co	\$200	1.270	4/1/2014
36064	AMERICAN FINANCIAL GRP	Hanover American Ins Co	\$200	1.082	3/1/2014
32620	AMERICAN FINANCIAL GRP	National Interstate Ins Co	\$120	1.090	1/1/2013
19402	AMERICAN INTL GRP	AIG Property Cas Co	\$200	1.407	7/1/2018
19399	AMERICAN INTL GRP	AIU Ins Co	\$200	1.069	7/1/2018
19380	AMERICAN INTL GRP	American Home Assur Co	\$200	1.211	7/1/2018

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19410	AMERICAN INTL GRP	Commerce & Industry Ins Co	\$200	1.440	7/1/2018
19410	AMERICAN INTL GRP	Commerce & Industry Ins Co	\$200	1.440	7/1/2018
23817	AMERICAN INTL GRP	Illinois Natl Ins Co	\$200	1.309	7/1/2018
19429	AMERICAN INTL GRP	Insurance Co Of The State Of PA	\$200	1.309	7/1/2018
19445	AMERICAN INTL GRP	National Union Fire Ins Co Of Pitts	\$200	1.309	7/1/2018
23841	AMERICAN INTL GRP	New Hampshire Ins Co	\$200	1.113	7/1/2018
23450	AMERICAN MODERN INS GRP	American Family Home Ins Co	\$290	1.305	5/1/2013
23469	AMERICAN MODERN INS GRP	American Modern Home Ins Co	\$290	1.522	5/1/2013
13803	AMERICAN NATL FIN GRP	Farm Family Cas Ins Co	\$200	1.260	10/1/2012
29963	AMERICAN NATL FIN GRP	United Farm Family Ins Co	\$200	1.386	10/1/2012
19488	AMERISURE CO GRP	Amerisure Ins Co	\$230	1.229	10/1/2008
23396	AMERISURE CO GRP	Amerisure Mut Ins Co	\$230	1.366	10/1/2008
19879	AMTRUST GMACI MAIDEN GROUP	Security National Insurance Co	\$200	1.100	12/1/2010
15954	AMTRUST GRP	AmTrust Insurance Co of Kansas	\$200	1.360	3/3/2016
26662	AMTRUST GRP	Milford Casualty Ins Co	\$250	1.360	9/1/2021
12491	AMTRUST GRP	Rochdale Ins Co Of NY	\$200	1.360	10/1/2008
22985	AMTRUST GRP	Sequoia Ins Co	\$150	1.050	10/1/2019
19216	AMTRUST GRP	Southern Ins Co	\$200	1.220	9/1/2021
10499	AMTRUST GRP	CorePointe Ins Co	\$200	1.100	9/1/2021
42376	AMTRUST GRP	Technology Ins Co Inc	\$200	1.220	10/1/2008
25011	AMTRUST GRP	Wesco Ins Co	\$250	1.600	10/1/2017
30830	ARCH INS GRP	Arch Ind Ins Co	\$200	1.050	8/9/2013
11150	ARCH INS GRP	Arch Ins Co	\$200	1.427	2/1/2019
19801	ARGONAUT GRP	Argonaut Ins Co	\$200	1.319	10/1/2008
19828	ARGONAUT GRP	Argonaut Midwest Ins Co	\$200	1.121	10/1/2008
35505	ARGONAUT GRP	Rockwood Casualty Insurance Company	\$200	1.539	2/8/2012
12866	AXA XL Ins Grp	T.H.E. Ins Co	\$200	1.346	10/1/2019
12416	BALDWIN & LYONS GRP	Protective Ins Co	\$200	1.328	12/1/2020
40460	BALDWIN & LYONS GRP	Sagamore Ins Co	\$200	1.169	1/4/2019
10391	BERKSHIRE HATHAWAY GRP	Berkshire Hathaway Direct Ins Co	\$340	1.200	12/1/2020
20044	BERKSHIRE HATHAWAY GRP	Berkshire Hathaway Homestate Ins Co	\$200	1.510	9/27/2011
38865	BERKSHIRE HATHAWAY GRP	California Ins Co	\$0	1.410	2/15/2011
28258	BERKSHIRE HATHAWAY GRP	Continental Ind Co	\$0	1.280	2/15/2011
20052	BERKSHIRE HATHAWAY GRP	National Liab & Fire Ins Co	\$280	1.540	4/1/2016

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34630	BERKSHIRE HATHAWAY GRP	Oak River Ins Co	\$200	1.400	8/3/2010
11673	BERKSHIRE HATHAWAY GRP	Redwood Fire and Casualty Ins Co	\$200	1.744	5/1/2016
20931	BERKSHIRE HATHAWAY GRP	Wellfleet Ins Co of New York	\$340	1.800	10/1/2021
20222	CENTRAL MUT INS CO GRP	All Amer Ins Co	\$330	1.291	10/1/2021
20230	CENTRAL MUT INS CO GRP	Central Mut Ins Co	\$330	1.519	10/1/2021
21903	CENTURY SURETY GRP	Procentury Ins Co	\$250	1.400	1/8/2020
12777	CHUBB & SON INC GRP	Chubb Ind Ins Co	\$300	1.128	10/1/2019
10052	CHUBB & SON INC GRP	Chubb Natl Ins Co	\$300	1.026	10/1/2019
35181	CHUBB & SON INC GRP	Executive Risk Ind Inc	\$300	1.077	10/1/2019
20281	CHUBB & SON INC GRP	Federal Ins Co	\$300	1.282	10/1/2019
20303	CHUBB & SON INC GRP	Great Northern Ins Co	\$300	1.192	10/1/2019
20346	CHUBB & SON INC GRP	Pacific Ind Co	\$300	1.090	10/1/2019
20397	CHUBB & SON INC GRP	Vigilant Ins Co	\$300	1.282	10/1/2019
28665	CINCINNATI FIN GRP	Cincinnati Cas Co	\$225	1.264	8/1/2018
10677	CINCINNATI FIN GRP	Cincinnati Ins Co	\$225	1.106	8/1/2018
23280	CINCINNATI FIN GRP	The Cincinnati Indemnity Co	\$225	1.391	8/1/2018
20427	CNA INS GRP	American Cas Co Of Reading PA	\$200	1.122	10/1/2020
20443	CNA INS GRP	Continental Cas Co	\$200	1.572	10/1/2020
35289	CNA INS GRP	Continental Ins Co	\$200	1.035	10/1/2020
20478	CNA INS GRP	National Fire Ins Co Of Hartford	\$200	1.320	10/1/2020
20494	CNA INS GRP	Transportation Ins Co	\$200	1.412	10/1/2020
20508	CNA INS GRP	Valley Forge Ins Co	\$200	1.214	10/1/2020
11123	DELPHI FIN GRP	Safety First Ins Co	\$300	1.400	10/1/2008
15105	DELPHI FIN GRP	Safety Natl Cas Corp	\$0	1.100	7/26/2011
11242	EASTERN HOLDING CO GROUP	Allied Eastern Ind Co	\$175	1.367	2/22/2010
13019	EASTERN HOLDING CO GROUP	Eastern Advantage Assurance Co	\$175	1.237	2/22/2010
10724	EASTERN HOLDING CO GRP	Eastern Alliance Ins Co	\$175	1.302	10/1/2008
21261	ELECTRIC INS GRP	Electric Ins Co	\$0	1.134	10/1/2008
21415	EMC INS CO GRP	Employers Mut Cas Co	\$200	1.390	1/24/2019
10006	EMPLOYERS INS GRP	Cerity Ins Co	\$160	1.229	1/22/2020
25402	EMPLOYERS INS GRP	Employers Assurance Co	\$220	1.281	2/1/2021
11512	EMPLOYERS INS GRP	Employers Compensation Ins Co	\$220	1.420	2/1/2021
10346	EMPLOYERS INS GRP	Employers Preferred Ins Co	\$220	1.179	2/1/2021
11551	ENDURANCE GRP	Endurance Reins Corp of Amer	\$160	1.330	8/3/2017

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25496	Enstar Group	StarStone National Ins Co	\$0	1.427	5/1/2019
26263	ERIE INS GRP	Erie Ins Co	\$210	1.283	3/1/2011
16233	ERIE INS GRP	Erie Ins Co Of NY	\$210	1.043	4/1/2012
26830	ERIE INS GRP	Erie Ins Prop & Cas Co	\$210	1.374	10/1/2008
35585	ERIE INS GRP	Flagship City Ins Co	\$210	1.136	5/1/2015
16044	EVEREST REINS HOLDINGS GRP	Everest Denali Ins Co	\$200	1.529	4/26/2019
10120	EVEREST REINS HOLDINGS GRP	Everest Natl Ins Co	\$200	1.450	1/1/2021
16045	EVEREST REINS HOLDINGS GRP	Everest Premier Ins Co	\$200	1.112	4/26/2019
31348	FAIRFAX FIN GRP	Crum & Forster Ind Co	\$200	1.425	1/1/2010
21105	FAIRFAX FIN GRP	North River Ins Co	\$200	1.221	1/1/2010
10936	FAIRFAX FIN GRP	Seneca Ins Co Inc	\$242	1.270	5/1/2018
21113	FAIRFAX FIN GRP	United States Fire Ins Co	\$200	1.357	1/1/2010
13935	FEDERATED MUT GRP	Federated Mut Ins Co	\$200	1.283	2/1/2019
16024	FEDERATED MUT GRP	Federated Reserve Ins Co	\$200	1.475	7/1/2019
28304	FEDERATED MUT GRP	Federated Serv Ins Co	\$200	1.155	2/1/2019
13608	FIRE DISTRICTS NY GROUP	Fdm Preferred Ins Co Inc	\$200	0.953	1/1/2022
13610	FIRE DISTRICTS NY GROUP	Fire Districts Ins Co Inc	\$200	2.167	1/1/2022
37400	FIRE DISTRICTS NY GROUP	Fire Districts Of NY Mut Ins Co Inc	\$200	1.465	1/1/2022
33278	FLORISTS MUT GRP	Florists Ins Co	\$200	1.503	10/1/2019
13978	FLORISTS MUT GRP	Florists Mut Ins Co	\$200	1.611	10/1/2019
10340	GLENCOE US HOLDINGS GRP	Stonington Ins Co	\$200	1.050	11/16/2012
36307	GRAY INS GRP	Gray Ins Co	\$250	1.430	7/15/2015
22187	GREATER NY GRP	Greater NY Mut Ins Co	\$200	1.136	10/1/2018
22195	GREATER NY GRP	Insurance Co Of Greater NY	\$200	1.155	10/1/018
11024	GREATER NY GRP	Strathmore Ins Co	\$200	1.087	10/1/2018
42390	GUARD INS CO GRP	Amguard Ins Co	\$220	1.430	10/1/2017
14702	GUARD INS CO GRP	Eastguard Ins Co	\$220	1.330	10/1/2017
31470	GUARD INS CO GRP	Norguard Ins Co	\$220	1.490	10/1/2013
42803	GUIDEONE INS GRP	Guideone Elite Ins Co	\$200	1.297	7/1/2020
15032	GUIDEONE INS GRP	Guideone Mut Ins Co	\$200	1.455	7/1/2020
14559	GUIDEONE INS GRP	Guideone Specialty Mut Ins Co	\$200	1.633	7/1/2020
41343	HANNOVER GRP	HDI-Global Amer Ins Co	\$215	1.479	12/15/2021
23582	HARLEYSVILLE GRP	Harleysville Ins Co	\$200	1.560	12/1/2018
33235	HARLEYSVILLE GRP	Harleysville Ins Co of NY	\$200	1.330	12/1/2018

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35696	HARLEYSVILLE GRP	Harleysville Preferred Ins Co	\$200	1.200	12/1/2018
26182	HARLEYSVILLE GRP	Harleysville Worcester Ins Co	\$200	1.410	12/1/2018
22357	HARTFORD FIRE & CAS GRP	Hartford Accident & Ind Co	\$200	1.032	2/1/2019
29424	HARTFORD FIRE & CAS GRP	Hartford Cas Ins Co	\$200	1.283	4/1/2013
19682	HARTFORD FIRE & CAS GRP	Hartford Fire In Co	\$200	1.216	4/1/2013
37478	HARTFORD FIRE & CAS GRP	Hartford Ins Co Of The Midwest	\$200	1.081	4/1/2013
30104	HARTFORD FIRE & CAS GRP	Hartford Underwriters Ins Co	\$200	1.419	4/1/2013
34690	HARTFORD FIRE & CAS GRP	Property & Cas Ins Co Of Hartford	\$200	1.486	4/1/2013
11000	HARTFORD FIRE & CAS GRP	Sentinel Ins Co Ltd	\$200	1.148	4/1/2013
27120	HARTFORD FIRE & CAS GRP	Trumbull Ins Co	\$200	1.081	4/1/2013
29459	HARTFORD FIRE & CAS GRP	Twin City Fire Ins Co Co	\$200	1.351	4/1/2013
18694	HOUSTON INTERNL INS GRP	Great Midwest Ins Co	\$200	1.310	7/18/2016
35408	HOUSTON INTERNL INS GRP	Imperium Ins Co	\$200	1.310	11/1/2011
26433	IAT REINS CO GRP	Harco Natl Ins Co	\$0	1.000	5/22/2020
28886	IAT REINS CO GRP	Transguard Ins Co Of Amer Inc	\$40	1.351	10/1/2020
40029	ICW GRP	Explorer Ins Co	\$200	1.440	12/1/2018
27847	ICW GRP	Insurance Co Of The West	\$200	1.390	1/15/2019
31925	James River Grp	Falls Lake National Ins Co	\$200	1.436	01/10/14
30175	KERNAN GRP	Oriska Ins Co	\$200	1.340	10/1/2008
24066	LIBERTY MUT GRP	American Fire & Cas Co	\$200	1.158	2/1/2020
21458	LIBERTY MUT GRP	Employers Ins of Wausau	\$230	1.440	8/1/2018
11045	LIBERTY MUT GRP	Excelsior Ins Co	\$200	1.430	12/1/2016
33588	LIBERTY MUT GRP	First Liberty Ins Corp	\$230	1.300	8/1/2018
42404	LIBERTY MUT GRP	Liberty Ins Corp	\$230	1.150	8/1/2018
23035	LIBERTY MUT GRP	Liberty Mut Fire Ins Co	\$230	1.210	8/1/2018
23043	LIBERTY MUT GRP	Liberty Mut Ins Co	\$230	1.440	8/1/2018
33600	LIBERTY MUT GRP	LM Ins Corp	\$230	1.050	8/1/2018
24171	LIBERTY MUT GRP	Netherlands Ins Co The	\$200	1.163	12/1/2016
24074	LIBERTY MUT GRP	Ohio Cas Ins Co	\$200	1.593	2/1/2020
24082	LIBERTY MUT GRP	Ohio Security Ins Co	\$200	1.431	2/1/2020
18333	LIBERTY MUT GRP	Peerless Ind Ins Co	\$200	1.588	12/1/2016
24198	LIBERTY MUT GRP	Peerless Ins Co	\$200	1.291	12/1/2016
26069	LIBERTY MUT GRP	Wausau Business Ins Co	\$230	1.330	7/1/2014
26425	LIBERTY MUT GRP	Wausau General Ins Co	\$230	1.222	7/1/2014

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26042	LIBERTY MUT GRP	Wausau Underwriters Ins Co	\$230	1.438	2/1/2017
44393	LIBERTY MUT GRP	West American Ins Co	\$200	1.288	2/1/2020
29939	MAIN STREET AMER GRP	Main St Amer Assur Co	\$200	1.108	3/1/2018
14788	MAIN STREET AMER GRP	NGM Ins Co	\$200	1.304	3/1/2018
40231	MAIN STREET AMER GRP	Old Dominion Ins Co	\$200	1.454	3/1/2018
11030	MAINE EMPLOYERS MUT INS GRP	Memic Ind Co	\$180	1.190	12/1/2016
11149	MAINE EMPLOYERS MUTUAL INSURANCE GROUP	Maine Employers Mutual Insurance Co	\$180	1.390	10/1/2019
14164	MAINE EMPLOYERS MUTUAL INSURANCE GROUP	MEMIC Casualty Company	\$180	1.540	11/3/2021
28932	MARKEL CORP GRP	Markel Amer Ins Co	\$160	1.350	1/1/2021
38970	MARKEL CORP GRP	Markel Ins Co	\$160	1.180	1/1/2021
18023	MEADOWBROOK INS GRP	Star Ins Co	\$250	1.640	1/8/2020
25780	MEADOWBROOK INS GRP	Williamsburg Natl Ins Co	\$250	1.650	1/8/2020
14478	MERCER INS GRP	Mercer Ins Co	\$200	1.310	10/1/2008
23329	MERCHANTS MUT GRP	Merchants Mut Ins Co	\$200	1.316	10/1/2021
12901	MERCHANTS MUT GRP	Merchants Preferred Ins Co	\$200	1.152	10/1/2021
20362	MITSUI SUMITOMO INS GRP	Mitsui Sumitomo Ins Co of Amer	\$225	1.214	1/1/2016
22551	MITSUI SUMITOMO INS GRP	Mitsui Sumitomo Ins USA Inc	\$225	1.429	1/1/2016
13331	MOTORISTS MUT	American Hardware Mut Ins Co	\$200	1.306	10/1/2008
19720	MUNICH RE GRP	American Alt Ins Corp	\$290	1.540	5/1/2013
42579	NATIONWIDE CORP GRP	Allied Property & Casualty Ins Co	\$200	1.192	5/1/2016
19100	NATIONWIDE CORP GRP	AMCO Insurance Company	\$200	1.311	5/1/2016
42587	NATIONWIDE CORP GRP	Depositors Ins Co	\$200	1.072	5/1/2016
11991	NATIONWIDE CORP GRP	National Cas Co	\$266	1.417	10/1/2020
28223	NATIONWIDE CORP GRP	Nationwide Agribusiness Ins Co	\$266	1.428	10/1/2020
10723	NATIONWIDE CORP GRP	Nationwide Assur Co	\$200	1.192	5/1/2021
23760	NATIONWIDE CORP GRP	Nationwide Gen Ins Co	\$200	1.094	5/1/2021
25453	NATIONWIDE CORP GRP	Nationwide Ins Co Of Amer	\$200	1.560	5/1/2021
23779	NATIONWIDE CORP GRP	Nationwide Mut Fire Ins Co	\$200	1.311	1/1/2014
23787	NATIONWIDE CORP GRP	Nationwide Mut Ins Co	\$200	1.410	5/1/2021
37877	NATIONWIDE CORP GRP	Nationwide Prop & Cas Ins Co	\$200	1.311	5/1/2021
12122	NEW JERSEY MANUFACTURERS GRP	New Jersey Manufacturers Ins Co	\$220	1.462	10/1/2021
25569	NEW YORK MARINE & GEN GRP	Gotham Ins Co	\$225	0.847	12/28/2018
16608	NEW YORK MARINE & GEN GRP	New York Marine & Gen Ins Co	\$225	1.414	12/1/2017
20095	OLD REPUBLIC GRP	Bituminous Cas Corp	\$200	1.333	10/1/2008

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20109	OLD REPUBLIC GRP	Bituminous Fire & Marine Ins Co	\$200	1.333	10/1/2008
11371	OLD REPUBLIC GRP	Great West Cas Co	\$250	1.377	11/1/2014
24139	OLD REPUBLIC GRP	Old Republic Gen Ins Corp	\$200	1.520	1/1/2020
24147	OLD REPUBLIC GRP	Old Republic Ins Co	\$200	1.240	3/15/2011
18376	PARTNERS LTD GRP	Hermitage Ins Co	\$200	1.215	12/1/2011
14982	PENN MILLER GRP	Penn Millers Ins Co	\$200	1.466	12/15/2019
36897	PENNSYLVANIA MANUFACTURERS GRP	Manufacturers Alliance Ins Co	\$180	1.480	3/1/2015
12262	PENNSYLVANIA MANUFACTURERS GRP	Pennsylvania Manufacturers Assoc Ins	\$180	1.346	3/1/2015
41424	PENNSYLVANIA MANUFACTURERS GRP	Pennsylvania Manufacturers Ind Co	\$180	1.122	3/1/2015
14990	PENNSYLVANIA NATL INS GRP	Pennsylvania Natl Mut Cas Ins Co	\$250	1.426	10/1/2014
16356	PHARMACISTS MUTUAL GROUP	Chiron Ins. Co.	\$200	1.3, 1.372	1/26/21, 10/1/21
13714	PHARMACISTS MUTUAL GROUP	Pharmacists Mutual Ins Co	\$200	1.193	7/1/2021
40177	PUBLIC SERV GRP	Paramount Ins Co	\$200	1.114	10/1/2008
15059	PUBLIC SERV GRP	Public Service Mut Ins Co	\$0	1.000	4/14/2020
10997	PUBLIC SERV GRP	Western Select Ins Co	\$200	1.311	8/15/2016
24414	QBE INS GRP	General Cas Co Of WI	\$200	1.580	6/1/2019
27740	QBE INS GRP	North Pointe Ins Co	\$200	1.375	6/1/2019
37257	QBE INS GRP	Praetorian Ins Co	\$200	1.580	6/1/2019
39217	QBE INS GRP	QBE Ins Corp	\$200	1.675	6/1/2019
37303	QBE INS GRP	Redland Ins Co	\$0	1.000	1/1/2017
24449	QBE INS GRP	Regent Ins Co	\$200	1.375	6/1/2019
26379	RANDALL AND QUILTER INV GRP	Accredited Surety & Cas Co Inc	\$210	1.180	12/1/2020
13056	RLI INS GRP	RLI Ins Co	\$200	1.250	10/1/2019
19690	SAFECO INS GRP	American Economy Ins Co	\$200	1.359	10/1/2014
19704	SAFECO INS GRP	American States Ins Co	\$200	1.490	10/1/2014
24732	SAFECO INS GRP	General Ins Co Of Amer	\$200	1.490	10/1/2014
12572	SELECTIVE INS GRP	Selective Ins Co Of Amer	\$200	1.375	1/1/2021
13730	SELECTIVE INS GRP	Selective Ins Co Of NY	\$200	1.100	1/1/2021
19259	SELECTIVE INS GRP	Selective Ins Co Of SC	\$200	1.238	1/1/2021
26301	SELECTIVE INS GRP	Selective Way Ins Co	\$200	1.306	1/1/2021
23434	SENTRY INS GRP	Middlesex Ins Co	\$200	1.243	1/1/2012
23442	SENTRY INS GRP	Patriot Gen Ins Co	\$200	1.178	1/1/2012
28460	SENTRY INS GRP	Sentry Cas Co	\$0	1.068	12/22/2011
24988	SENTRY INS GRP	Sentry Ins A Mut Co	\$200	1.243	1/1/2012

WORKERS COMP LOSS COST MULTIPLIERS AND EXPENSE CONSTANTS
Approved as of December 31, 2021

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			Expense Constant	LCM	
21180	SENTRY INS GRP	Sentry Select Ins Co	\$200	1.355	1/1/2012
11398	SM MARIANO GRP	Guarantee Ins Co	\$200	1.480	3/1/2012
38997	SOMPO JAPAN INS GRP	Sompo Japan Fire & Mar Ins Co Amer	\$200	1.104	10/1/2015
11126	SOMPO JAPAN INS GRP	Sompo Japan Ins Co of Amer	\$200	1.248	10/1/2015
38318	Starr Group	Starr Indemnity and Liability Co	\$215	1.472	3/15/2019
16109	Starr Group	Starr Specialty Ins Co	\$215	1.215	3/15/2019
25143	STATE FARM GRP	State Farm Fire And Cas Co	\$100	1.476	10/1/2010
22608	STATE NATL GRP	National Specialty Ins Co	\$200	1.200	10/30/2019
12831	STATE NATL GRP	State Natl Ins Co Inc	\$200	1.285	1/1/2017
29700	SWISS RE GRP	North Amer Elite Ins Co	\$250	1.203	10/18/2021
29874	SWISS RE GRP	North Amer Specialty Ins Co	\$250	1.337	10/18/2021
32778	SWISS RE GRP	Washington Intl Ins Co	\$250	1.404	10/18/2021
39845	SWISS RE GRP	Westport Ins Corp	\$250	1.353	10/1/2008
10212	THE HANOVER INS GRP	Allmerica Fin Alliance Ins Co	\$200	1.419	5/1/2020
41840	THE HANOVER INS GRP	Allmerica Fin Benefit Ins Co	\$200	1.032	5/1/2020
31534	THE HANOVER INS GRP	Citizens Ins Co Of Amer	\$200	1.180	5/1/2020
36064	THE HANOVER INS GRP	Hanover American Ins Co	\$200	1.100	5/1/2020
22292	THE HANOVER INS GRP	Hanover Ins Co	\$200	1.320	5/1/2020
22306	THE HANOVER INS GRP	Massachusetts Bay Ins Co	\$200	1.250	5/1/2020
32301	TOKIO MARINE HOLDINGS INC GRP	TNUS Ins Co	\$200	1.182	1/1/2020
12904	TOKIO MARINE HOLDINGS INC GRP	Tokio Marine & Nichido Fire Ins Co	\$200	1.537	2/1/2013
10945	TOKIO MARINE HOLDINGS INC GRP	Tokio Marine America Ins Co	\$200	1.512	1/1/2020
41238	TOKIO MARINE HOLDINGS INC GRP	Trans Pacific Ins Co	\$200	1.270	1/1/2020
17205	TOWER GRP	Castlepoint Ins Co	\$0	1.000	1/1/2021
15586	TOWER GRP	Preserver Ins Co	\$0	1.000	1/1/2021
44300	TOWER GRP	Tower Ins Co Of NY	\$0	1.000	1/1/2021
43702	TOWER GRP	Tower National Ins Co	\$0	1.000	1/1/2021
16223	Transit General Group	Transit General Ins Co of NY	\$200	1.258	12/28/2021
41769	TRAVELERS GRP	Athena Assur Co	\$0	1.000	6/14/2021
25615	TRAVELERS GRP	Charter Oak Fire Ins Co	\$200	1.025	8/1/2019
36463	TRAVELERS GRP	Discover Prop & Cas Ins Co	\$0	1.000	6/14/2021
35386	TRAVELERS GRP	Fidelity & Guar Ins Co	\$200	1.118	10/1/2008
25879	TRAVELERS GRP	Fidelity & Guar Ins Underwriters Inc	\$200	1.183	10/1/2008
25623	TRAVELERS GRP	Phoenix Ins Co	\$200	1.475	4/15/2019

WORKERS COMP LOSS COST MULTIPLIERS AND EXPENSE CONSTANTS
Approved as of December 31, 2021

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24767	TRAVELERS GRP	St Paul Fire & Marine Ins Co	\$200	1.315	10/1/2008
24775	TRAVELERS GRP	St Paul Guardian Ins Co	\$200	1.381	10/1/2008
24791	TRAVELERS GRP	St Paul Mercury Ins Co	\$200	1.183	10/1/2008
19224	TRAVELERS GRP	St Paul Protective Ins Co	\$200	1.381	10/1/2008
19038	TRAVELERS GRP	Travelers Cas & Surety Co	\$200	1.341	4/15/2019
19046	TRAVELERS GRP	Travelers Cas Ins Co Of Amer	\$200	1.408	4/15/2019
25658	TRAVELERS GRP	Travelers Ind Co	\$200	1.274	4/15/2019
25666	TRAVELERS GRP	Travelers Ind Co Of Amer	\$200	1.140	4/15/2019
25682	TRAVELERS GRP	Travelers Ind Co Of CT	\$200	1.207	4/15/2019
25674	TRAVELERS GRP	Travelers Property Cas Co Of Amer	\$200	1.081	10/1/2021
25887	TRAVELERS GRP	US Fidelity & Guaranty Co	\$200	1.315	10/1/2008
37893	UNION LABOR GRP	Ullico Cas Co	\$200	1.300	2/1/2011
25984	UTICA GRP	Graphic Arts Mut Ins Co	\$200	1.535	5/1/2015
12475	UTICA GRP	Republic-Franklin Ins Co	\$200	1.245	5/1/2015
25976	UTICA GRP	Utica Mut Ins Co	\$200	1.429	5/1/2015
13998	UTICA GRP	Utica Nat Ins Co of Ohio	\$200	1.167	5/1/2015
10687	UTICA GRP	Utica Natl Assur Co	\$200	1.337	5/1/2015
43478	UTICA GRP	Utica Natl Ins Co Of TX	\$200	1.068	5/1/2016
43451	UTICA GRP	Utica Specialty Risk Ins Co	\$200	1.032	4/1/2017
24112	WESTFIELD GRP	Westfield Ins Co	\$200	1.393	10/1/2008
27154	WHITE MOUNTAINS GRP	Atlantic Specialty Ins Co	\$180	1.100	2/1/2016
20648	WHITE MOUNTAINS GRP	Employers Fire Ins Co	\$0	1.000	5/1/2018
15645	WHITE MOUNTAINS GRP	OBI America Ins Co	\$190	1.202	5/1/2018
14190	White Mountains Grp	OBI National Ins Co	\$200	1.304	12/1/2013
20621	WHITE MOUNTAINS GRP	OneBeacon Amer Ins Co	\$0	1.000	5/1/2018
21970	WHITE MOUNTAINS GRP	OneBeacon Ins Co	\$0	1.000	5/1/2018
31325	WR BERKLEY CORP GRP	Acadia Ins Co	\$200	1.400	2/1/2020
44318	WR BERKLEY CORP GRP	Admiral Ind Co	\$200	1.440	2/1/2020
15911	WR BERKLEY CORP GRP	American Mining Ins Co	\$200	1.400	4/1/2020
38911	WR BERKLEY CORP GRP	Berkley Natl Insurance Co	\$200	1.050	1/1/2017
29580	WR BERKLEY CORP GRP	Berkley Regional Ins Co	\$200	1.420	1/1/2017
10510	WR BERKLEY CORP GRP	Carolina Cas Ins Co	\$200	1.460	4/1/2020
33480	WR BERKLEY CORP GRP	Clermont Ins Co	\$200	1.050	2/1/2020
10804	WR BERKLEY CORP GRP	Continental Western Ins Co	\$200	1.170	2/1/2020

WORKERS COMP LOSS COST MULTIPLIERS AND EXPENSE CONSTANTS
Approved as of December 31, 2021

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21784	WR BERKLEY CORP GRP	Firemens Ins Co Of Washington DC	\$200	1.350	2/1/2020
25224	WR BERKLEY CORP GRP	Great Divide Ins Co	\$200	1.383	1/1/2020
10885	WR BERKLEY CORP GRP	Key Risk Insurance Co	\$200	1.270	4/1/2020
23612	WR BERKLEY CORP GRP	Midwest Employers Cas Co	\$200	1.120	4/1/2020
36684	WR BERKLEY CORP GRP	Riverport Insurance Co	\$200	1.120	1/1/2017
40045	WR BERKLEY CORP GRP	Starnet Ins Co	\$200	1.200	4/1/2020
31003	WR BERKLEY CORP GRP	Tri-State Insurance Co of Minnesota	\$200	1.290	1/1/2017
25844	WR BERKLEY CORP GRP	Union Ins Co	\$200	1.300	2/1/2020
22322	XL AMER GRP	Greenwich Ins Co	\$250	1.351	10/1/2020
24554	XL AMER GRP	XL Ins Amer Inc	\$250	1.105	10/1/2020
37885	XL AMER GRP	XL Specialty Ins Co	\$250	1.228	10/1/2020
13269	ZENITH NATL INS GRP	Zenith Ins Co	\$200	1.393	10/1/2008
26247	ZURICH INS GRP	American Guar & Liab Ins	\$200	1.260	4/1/2011
40142	ZURICH INS GRP	American Zurich Ins Co	\$200	1.043	10/1/2017
19305	ZURICH INS GRP	Assurance Co Of Amer	\$200	1.399	4/1/2013
34347	ZURICH INS GRP	Colonial Amer Cas & Surety Co	\$200	1.260	4/1/2011
21652	ZURICH INS GRP	Farmers Ins Exch	\$200	1.725	2/1/2022
39306	ZURICH INS GRP	Fidelity & Deposit Co Of MD	\$200	1.260	4/1/2011
11185	ZURICH INS GRP	Foremost Ins Co	\$200	1.243	8/1/2013
11800	ZURICH INS GRP	Foremost Prop & Cas Ins Co	\$200	1.425	8/1/2013
41513	ZURICH INS GRP	Foremost Signature Ins Co	\$200	1.399	8/1/2013
19356	ZURICH INS GRP	Maryland Cas Co	\$200	1.425	4/1/2013
21687	ZURICH INS GRP	Mid Century Ins Co	\$200	1.652	2/1/2022
19372	ZURICH INS GRP	Northern Ins Co Of NY	\$200	1.243	4/1/2013
21709	ZURICH INS GRP	Truck Ins Exch	\$200	1.467	2/1/2022
41181	ZURICH INS GRP	Universal Underwriters Ins Co	\$200	1.318	10/1/2008
16535	ZURICH INS GRP	Zurich American Ins Co	\$200	1.400	4/1/2011
27855	ZURICH INS GRP	Zurich American Insurance Co of IL	\$200	1.435	7/27/2011