Spring 2022

Economic Factor Summary

Rates are not official until published on the COPAS website.

P.O. Box 21272 • Wichita, Kansas 67208-7272 303-300-1131 • fax 303-300-3733 • www.copas.org

Proposed 2022 COPAS Economic Factors

The following **COPAS Economic Factors** have been proposed, for Standing Committee approval, all with an effective date of April 1, 2022.

These rates were not calculated when the original Council meeting notice was originally sent, however notice was given that the rates, once determined, would be provided.

These **rates are not official until published on the COPAS website** on or about April 28, 2022. Visit www.copas.org/resources/economic-factors/

Audit Per Diem Rate
Proposed 2022 rate: $1,060

Overhead Adjustment
Proposed 2022 rate: positive .4%

Loading/Unloading Costs
Proposed 2022 rate: $0.93 per hundred weight

Worker's Compensation Insurance Manual Rates
As per the attached schedule

Excluded Amount
Proposed 2022 rate: $2,300

Vehicle Rates
Proposed 2022 rates:

Vehicle Type	Rate per Mile
Passenger cars	$0.52
1/2-ton pickups (2WD)	$0.55
1/2-ton pickups (4WD)	$0.62
3/4-ton pickups (2WD)	$0.59
3/4-ton pickups (4WD)	$0.63
One-ton pickups (2WD)	$0.63
One-ton pickups (4WD)	$0.67
SUV (2WD)	$0.70
SUV (4WD)	$0.72

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Audit Per Diem Rate

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March 9, 2022

To: Society Audit Committee Chairs

CC: COPAS Officers, Directors, Standing & Special Committee Chairpersons, Society Presidents, and Council Representatives

Subject: Audit Per Diem Rate effective April 1, 2022

Based on annual percentage change in the Professional and Technical Index (CEU6054000030) published by the Bureau of Labor Statistics, the proposed Domestic Audit Per Diem Rate effective April 1, 2022, will be $ 1,060.00. This rate was calculated as:

2021 Index	$ 1,366.70	
2022 Index	1,430.48	
Percentage Change	4.667%	
2021 Rate	$ 1,015.00	
Adjustment	47.37	
Calculated 2022 Rate	$ 1062.37	
2022 Rate	$ 1,060.00	Rounded to nearest $5

Historically, the Audit Per Diem Rate was adjusted annually utilizing the same index used to adjust overhead rates. That changed beginning in 2005 when the Audit Committee voted to use the above-referenced index as a more accurate representation of the actual costs of performing audits.

There is no recommended International Audit Per Diem Rate for 2022. In 2004, the Audit Committee decided to cease publishing an International Per Diem Rate.

Note: <u>These rates are intended to be used by companies' own audit staffs to charge other non-operators when conducting audits. The rates are not intended to be used to set rates paid to independent contract consultants.</u>

Matt Pilkington
Audit Committee Chair

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Employment, Hours, and Earnings from the Current Employment Statistics survey (National)
Original Data Value

Series Id: CEU6054000030
Not Seasonally Adjusted
Series Title: Average weekly earnings of production and nonsupervisory
Super Sector: Professional and business services
Industry: Professional and technical services
NAICS Code: 54
Data Type: AVERAGE WEEKLY EARNINGS OF PRODUCTION AND
Years: 1990 to 2022

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1990	488.02	494.13	493.41	505.81	500.09	504.68	512.59	505.76	518.00	507.29	509.43	522.37	505.10
1991	502.68	509.37	509.76	511.18	515.51	528.88	516.20	520.19	532.11	523.01	525.86	536.35	519.20
1992	516.25	535.76	533.52	526.98	535.57	535.21	537.00	550.31	538.63	541.65	553.86	541.48	537.18
1993	531.88	537.29	536.05	537.83	560.27	548.81	549.89	562.19	553.22	559.20	557.28	557.50	549.25
1994	558.92	551.92	552.28	555.97	577.03	562.78	566.00	565.28	569.77	585.72	571.38	574.11	565.96
1995	575.48	567.99	565.87	585.35	577.23	578.70	594.21	582.82	588.11	602.87	590.96	594.92	583.73
1996	577.94	587.27	591.55	592.98	599.15	622.44	602.79	610.39	630.24	616.54	621.16	638.13	607.70
1997	613.89	639.55	641.42	632.47	637.94	655.54	639.74	647.62	650.15	653.38	674.30	663.84	646.03
1998	652.90	673.40	675.54	665.59	676.08	679.76	679.32	698.33	685.57	693.48	712.60	699.98	682.87
1999	689.93	698.66	698.04	701.06	725.62	709.92	714.59	732.17	718.92	727.62	726.86	730.08	714.70
2000	737.98	725.97	727.20	749.78	736.67	740.29	755.55	742.94	751.96	769.01	756.36	758.21	746.12
2001	743.63	762.49	759.48	778.48	760.42	766.12	779.04	762.55	787.32	769.60	772.84	796.76	769.79
2002	758.80	767.83	766.76	774.69	774.20	809.54	776.95	781.78	808.71	787.75	792.81	811.53	784.06
2003	770.70	803.95	806.47	783.66	793.90	819.93	792.84	797.33	802.52	824.64	835.86	800.98	801.05
2004	794.66	829.82	801.81	809.90	849.78	820.41	824.31	852.15	830.46	839.45	840.87	839.33	827.82
2005	855.62	838.02	834.02	849.53	880.64	854.76	857.33	856.89	864.78	905.20	877.15	873.66	862.36
2006	894.86	879.84	877.10	918.53	888.92	893.93	927.83	899.28	913.92	950.10	919.55	925.13	907.59
2007	905.93	926.15	926.15	964.48	942.84	951.71	980.98	954.58	991.13	963.38	967.67	998.28	956.34
2008	940.56	960.49	999.37	973.90	984.61	1025.03	991.39	999.24	997.22	1008.88	1051.20	1012.44	995.27
2009	999.33	1040.36	1038.24	1012.11	1019.52	1022.40	1022.64	1067.67	1031.47	1044.50	1088.43	1047.13	1035.98
2010	1036.41	1044.50	1045.30	1053.86	1110.81	1062.66	1068.71	1112.01	1078.65	1096.36	1088.49	1084.74	1073.43
2011	1114.35	1084.32	1072.21	1086.25	1119.72	1080.23	1080.28	1078.51	1083.67	1135.04	1087.07	1084.73	1091.98
2012	1113.32	1080.64	1079.93	1130.13	1088.08	1092.62	1126.92	1095.48	1147.42	1101.70	1103.60	1150.91	1109.29
2013	1094.30	1118.16	1110.75	1117.08	1113.48	1164.02	1108.31	1118.64	1169.36	1126.63	1137.96	1176.86	1129.69
2014	1129.94	1190.17	1195.24	1161.24	1158.84	1204.64	1134.55	1163.83	1164.59	1167.84	1222.32	1167.84	1173.49
2015	1164.57	1215.77	1215.40	1180.84	1184.76	1183.74	1182.60	1239.11	1186.20	1202.93	1257.01	1200.69	1201.23
2016	1201.32	1205.46	1201.48	1217.58	1260.59	1213.59	1220.54	1217.04	1223.43	1276.33	1226.68	1222.75	1223.94
2017	1262.61	1228.27	1223.07	1284.32	1232.28	1237.33	1280.20	1237.51	1250.14	1302.37	1255.78	1255.32	1254.18
2018	1245.93	1267.81	1261.57	1323.96	1272.53	1279.94	1325.58	1284.66	1344.90	1289.74	1291.98	1345.15	1294.63
2019	1285.94	1294.46	1295.91	1308.53	1302.49	1360.24	1299.22	1321.32	1371.96	1322.75	1322.70	1372.33	1321.57
2020	1312.79	1380.81	1373.80	1339.92	1379.42	1339.76	1343.88	1415.59	1355.92	1373.74	1437.75	1381.74	1367.24
2021	1385.38	1383.56	1386.64	1409.65	1470.16	1408.17	1420.33	1483.13	1431.61	1462.13	1457.45	1462.16	1430.48
2022	1530.03												

2022 Calculations		
2021 Index	$1,366.70	(used by COPAS)
2022 Index	$1,430.48	
Percentage Change	4.667%	63.78
2021 Rate	$ 1,015.00	
Adjustment	47.37	
Calculated 2022 Rate	$ 1,062.37	
2022 Rate	$ 1,065.00	Rounded to nearest $5

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Overhead Adjustment Factor

Loading/Unloading Costs

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DATE: March 10, 2022

TO: COPAS Officers, Directors, Standing & Special Committee Chairpersons, Society Presidents and Council Representatives

SUBJECT: Wage Index Adjustment Factor; Loading/Unloading Costs; Workers' Compensation Insurance

The various COPAS Accounting Procedures provide that the fixed overhead rates will be adjusted April 1 of each year using an index published by the Department of Labor, Bureau of Labor Statistics. This index is based on the change versus the prior year, in the average weekly earnings of Crude Petroleum and Gas Production Workers. The BLS ceased publishing this particular index in 2003. In February 2004, the Joint Interest and Audit Committees approved Model Form Interpretation 50 – Overhead Adjustment Index to provide guidance to the industry as to a replacement index for use in calculating the overhead adjustment as well as other economic factors such as the loading and unloading rates. The 2020 MFI-50 average index was $1,501.64 compared to the 2021 average index of $1,507.96. Therefore, effective April 1, 2022, the overhead adjustment factor will be a **positive 0.4%.**

Section IV, Paragraph 2.E.(1) of the 1984 Onshore Accounting Procedure and the 1986 Offshore Accounting Procedure provide that the $0.25 per hundred weight on all tubular goods movements shall be adjusted by the same percentage increase or decrease as used to adjust overhead rates, rounded to the nearest cent. From 2019 through 2020 the rate escalated to $0.92 and from 2020 to 2021 the rate escalated to $0.93 per hundred weight. Effective April 1, 2022 the rate will remain at **$0.93 per hundred weight.**

Finally, MFI-31 (formerly Interpretation 24) states that COPAS will publish, on an annual basis, Workers' Compensation Insurance Manual Rates for certain job classifications. The detailed schedule of the Workers' Compensation Insurance Manual Rates is in a separate attachment.

Respectfully Submitted,

Patricia Ellington

Patricia Ellington
Joint Interest Standing Committee Chair

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March 10, 2022

Patricia Ellington, COPAS Joint Interest Chairperson

Re: COPAS Overhead Adjustment Index

In accordance with Model Form Interpretation 50, OH Adjustment Index, I have calculated the annual overhead adjustment for 2022 based on the changes from 2020 to 2021 in the Annual Average Weekly Earnings of Production Workers for Oil and Gas Extraction (NAICS code CEU1021100030) and the Annual Average Weekly Earnings of Production Workers for the Professional and Technical Services (CEU6054000030) indexes as published by the United States Department of Labor. The averages of the two above indexes increased from $1,501.64 in 2020 to $1,507.96 during 2021 for an increase of $6.32 or 0.4%.

Attached is a spreadsheet with the calculation of the average, copies of the Bureau of labor Statistics for support, and an updated cumulative escalation table.

Please contact me at 918-661-7510 if you need additional information.

Sincerely,

Jonathon Beene
PASO-Tulsa JI Committee

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COPAS ADJUSTMENT INDEX
CALCULATION USING BLENDED RATES
FOR 2022

Average Earnings From BLS Index Reports

Year	Oil and Gas Extraction Series ID CEU1021100030	Professional and Technical Services Series ID CEU6054000030	Average of Indexes
2020	1,636.58	1,366.70	1,501.64
2021	1,585.44	1,430.48	1,507.96
Increase/(Decrease) of Average			6.32

Percent change from 2020 to 2021 Average: 0.4%

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Employment, Hours, and Earnings from the Current Employment Statistics survey (National)
Original Data Value

Series Id: CEU1021100030
Not Seasonally Adjusted
Series Title: Average weekly earnings of production and
Super Sector: Mining and logging
Industry: Oil and gas extraction
NAICS Code: 211
Data Type: AVERAGE WEEKLY EARNINGS OF PRODUCTION
Years: 2011 to 2021

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2011	1142.59	1092.18	1128.80	1135.47	1151.16	1153.88	1169.55	1158.29	1188.29	1272.76	1251.74	1241.30	1178.96
2012	1340.70	1288.92	1283.10	1360.35	1266.56	1311.22	1368.73	1316.52	1385.24	1321.92	1317.67	1392.30	1329.44
2013	1367.36	1390.95	1340.59	1354.30	1358.64	1414.64	1358.67	1341.54	1403.11	1339.65	1360.22	1417.98	1370.62
2014	1418.18	1394.26	1422.48	1406.97	1381.76	1454.65	1482.22	1466.51	1449.17	1438.71	1468.01	1435.53	1434.92
2015	1337.22	1321.94	1302.83	1290.02	1256.80	1284.46	1299.55	1296.40	1339.37	1347.34	1400.32	1404.47	1322.97
2016	1416.05	1367.68	1352.11	1413.30	1453.76	1412.74	1444.14	1434.77	1482.62	1526.87	1469.09	1499.62	1435.51
2017	1569.54	1484.52	1482.97	1488.27	1412.29	1395.79	1387.27	1384.71	1382.30	1440.75	1406.27	1444.43	1448.07
2018	1489.44	1450.47	1470.93	1536.94	1522.82	1506.88	1530.19	1485.77	1597.08	1535.24	1600.89	1622.28	1533.69
2019	1614.51	1602.29	1594.71	1664.11	1638.21	1699.71	1655.68	1646.63	1716.20	1642.74	1670.59	1699.02	1654.07
2020	1663.69	1744.66	1716.18	1603.87	1561.63	1595.91	1600.45	1677.89	1642.63	1579.47	1634.06	1617.56	1636.58
2021	1588.73												

Employment, Hours, and Earnings from the Current Employment Statistics survey (National)
Original Data Value

Series Id: CEU6054000030
Not Seasonally Adjusted
Series Title: Average weekly earnings of production and
Super Sector: Professional and business services
Industry: Professional and technical services
NAICS Code: 54
Data Type: AVERAGE WEEKLY EARNINGS OF PRODUCTION
Years: 2011 to 2021

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2011	1114.35	1084.32	1072.21	1086.25	1119.72	1080.23	1080.28	1076.51	1083.67	1135.04	1087.07	1084.72	1091.98
2012	1113.32	1080.64	1079.93	1130.13	1088.08	1092.62	1126.94	1095.48	1147.42	1101.70	1103.60	1150.91	1109.79
2013	1094.30	1118.16	1110.75	1117.08	1113.48	1164.02	1108.31	1118.64	1169.36	1126.63	1137.96	1176.86	1129.64
2014	1129.94	1190.17	1195.24	1161.24	1158.84	1204.64	1154.55	1163.83	1164.59	1167.84	1222.32	1167.84	1173.49
2015	1164.57	1215.77	1215.40	1180.84	1184.76	1183.74	1182.60	1239.11	1186.20	1202.93	1257.01	1200.69	1201.23
2016	1201.32	1205.46	1201.48	1217.58	1260.59	1213.79	1220.54	1217.04	1223.43	1276.33	1226.68	1222.75	1223.94
2017	1262.61	1228.27	1223.07	1284.32	1232.28	1237.83	1280.20	1237.51	1250.14	1302.37	1255.78	1255.32	1254.18
2018	1245.93	1267.81	1261.57	1323.96	1272.53	1279.94	1325.58	1284.66	1344.90	1289.74	1291.98	1345.15	1294.63
2019	1285.94	1294.46	1295.91	1308.53	1302.49	1360.24	1299.22	1321.32	1371.96	1322.75	1322.70	1372.33	1321.57
2020	1312.79	1380.81	1373.80	1339.92	1349.06	1339.40	1343.16	1414.84	1355.19	1372.64	1436.63	1380.65	1366.70
2021	1386.48												

CUMULATIVE COPAS ESCALATION PERCENTAGES AS OF APRIL 1, 2022

Rates are not official until published on the COPAS website.

BASE YEAR	ESCAL. %	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
1963	**1.6**	101.60																													
1964	**3.9**	105.56	103.90																												
1965	**0.8**	106.41	104.73	100.80																											
1966	**2.2**	108.75	107.04	103.02	102.20																										
1967	**3.6**	112.66	110.89	106.73	105.88	103.60																									
1968	**5.4**	118.75	116.88	112.49	111.60	109.19	105.40																								
1969	**1.9**	121.00	119.10	114.63	113.72	111.27	107.40	101.90																							
1970	**7.0**	129.47	127.43	122.65	121.68	119.06	114.92	108.9	107.00																						
1971	**5.9**	137.11	134.95	129.89	128.86	126.08	121.70	115.47	113.31	105.90																					
1972	**8.9**	149.31	146.96	141.45	140.32	137.30	132.53	125.7	123.40	115.33	108.90																				
1973	**7.5**	160.51	157.99	152.06	150.85	147.60	142.47	135.17	132.65	123.97	117.07	107.50																			
1974	**5.2**	168.86	166.20	159.96	158.69	155.28	149.88	142.20	139.55	130.42	123.16	113.09	105.20																		
1975	**16.7**	197.06	193.96	186.68	185.19	181.21	174.91	165.95	162.86	152.20	143.72	131.98	122.77	116.70																	
1976	**10.3**	217.36	213.93	205.90	204.27	199.87	192.93	183.04	179.63	167.88	158.53	145.57	135.41	128.72	110.30																
1977	**10.5**	240.18	236.40	227.52	225.72	220.86	213.18	202.26	198.59	185.51	175.17	160.85	149.63	142.24	121.88	110.50															
1978	**10.3**	264.92	260.75	250.96	248.97	243.61	235.14	223.10	219.04	204.61	193.21	177.42	165.04	156.89	134.44	121.88	110.30														
1979	**11.0**	294.06	289.43	278.56	276.35	270.40	261.01	247.64	243.02	227.12	214.47	196.94	183.20	174.14	149.22	135.29	122.43	111.00													
1980	**9.3**	321.41	316.34	304.47	302.05	295.55	285.28	270.67	265.62	248.24	234.41	215.25	200.24	190.34	163.10	147.87	133.82	121.32	109.30												
1981	**9.3**	351.30	345.76	332.79	330.15	323.04	311.81	295.84	290.32	271.33	256.21	235.27	218.86	208.04	178.27	161.62	146.26	132.61	119.46	109.30											
1982	**13.0**	396.97	390.71	376.05	373.06	365.03	352.35	334.30	328.06	306.90	289.52	265.86	247.31	235.09	201.44	182.63	165.28	149.84	135.00	123.51	113.00										
1983	**9.9**	436.27	429.39	413.28	410.00	401.17	387.23	367.39	360.54	336.95	318.18	292.18	271.79	258.36	221.39	200.71	181.64	164.68	148.36	135.74	124.19	109.90									
1984	**5.9**	462.00	454.73	437.66	434.19	424.84	410.08	389.07	381.81	356.84	336.95	309.42	287.83	273.60	234.45	212.56	192.36	174.40	157.11	143.74	131.51	116.38	105.90								
1985	**2.7**	474.48	467.01	449.48	445.91	436.31	421.15	399.57	392.12	366.46	346.05	317.77	295.60	280.99	240.78	218.29	197.55	179.10	161.36	147.63	135.06	119.53	108.76	102.70							
1986	**4.4**	495.36	487.56	469.25	465.53	455.51	439.68	417.15	409.38	382.59	361.28	331.75	308.61	293.35	251.37	227.90	206.24	186.98	168.45	154.12	141.01	124.79	113.54	107.22	104.40						
1987	**4.5**	517.65	509.50	490.37	486.48	476.01	459.47	435.93	427.80	399.81	377.54	346.68	322.49	306.55	262.69	238.16	215.53	195.40	176.04	161.06	147.35	130.40	118.65	112.04	109.10	104.50					
1988	**(1.4)**	510.40	502.36	483.51	479.67	469.34	453.03	429.82	421.81	394.21	372.25	341.83	317.98	302.26	259.01	234.82	212.51	192.66	173.57	158.80	145.29	128.58	116.99	110.48	107.57	103.04	98.60				
1989	**3.3**	527.24	518.94	499.46	495.50	484.83	467.98	444.01	435.73	407.22	384.54	353.11	328.47	312.24	267.56	242.57	219.52	199.02	179.30	164.04	150.08	132.82	120.85	114.12	111.12	106.44	101.85	103.30			
1990	**8.1**	569.95	560.97	539.92	535.63	524.10	505.89	479.97	471.02	440.21	415.48	381.71	355.08	337.53	289.23	262.22	237.30	215.14	193.82	177.33	162.24	143.58	130.64	123.36	120.12	115.06	110.10	111.67	108.10		
1991	**7.2**	610.99	601.36	578.79	574.20	561.84	542.31	514.53	504.94	471.90	445.68	409.19	380.65	361.83	310.05	281.10	254.39	230.63	207.78	190.10	173.92	153.91	140.05	132.25	128.77	123.34	118.03	119.71	115.88	107.20	
1992	**1.5**	620.15	610.39	587.47	582.81	570.27	550.45	522.25	512.51	478.98	452.30	415.33	386.35	367.26	314.70	285.31	258.20	234.09	210.89	192.95	176.53	156.22	142.15	134.23	130.70	125.19	119.80	121.50	117.62	108.81	101.50
1993	**(1.1)**	613.33	603.67	581.01	576.40	563.99	544.39	516.50	506.87	473.71	447.32	410.76	382.10	363.22	311.24	282.18	255.36	231.52	208.57	190.83	174.59	154.50	140.59	132.75	129.26	123.82	118.48	120.17	116.33	107.61	100.38
1994	**4.8**	642.77	632.65	608.90	604.07	591.06	570.53	541.30	531.20	496.45	468.79	430.68	400.45	380.65	326.18	295.72	267.62	242.63	218.59	199.99	182.97	161.92	147.33	139.13	135.47	129.76	124.17	125.93	121.91	112.78	105.20
1995	**4.4**	671.05	660.48	635.69	630.65	617.07	595.63	565.11	554.58	518.29	489.42	449.42	418.07	397.40	340.53	308.73	279.40	253.31	228.20	208.79	191.02	169.05	153.82	145.25	141.43	135.47	129.63	131.48	127.28	117.74	109.83
1996	**4.1**	698.56	687.56	661.75	656.50	642.37	620.05	588.28	577.31	539.54	509.49	467.85	435.21	413.69	354.49	321.39	290.85	263.69	237.56	217.35	198.85	175.98	160.12	151.20	147.23	141.02	134.95	136.87	132.49	122.57	114.33
1997	**2.0**	712.54	701.31	674.99	669.63	655.22	632.45	600.05	588.86	550.34	519.67	477.20	443.91	421.97	361.58	327.82	296.67	268.96	242.31	221.69	202.83	179.50	163.33	154.23	150.17	143.84	137.65	139.60	135.14	125.02	116.62
1998	**10.3**	785.93	773.55	744.51	738.61	722.71	697.59	661.85	649.51	607.02	573.20	526.36	489.63	465.43	398.83	361.58	327.22	296.67	267.27	244.53	223.72	197.98	180.15	170.11	165.64	158.66	151.83	153.98	149.06	137.89	128.63
1999	**5.8**	831.51	818.42	787.70	781.44	764.62	738.05	700.24	687.18	642.23	606.45	556.88	518.01	492.43	421.96	382.56	346.20	313.87	282.77	258.71	236.70	209.47	190.60	179.98	175.25	167.86	160.63	162.91	157.71	145.89	136.09
2000	**(0.5)**	827.35	814.32	783.76	777.54	760.80	734.36	696.74	683.75	639.02	603.41	554.10	515.44	489.96	419.85	380.64	344.47	312.31	281.36	257.42	235.51	208.42	189.64	179.08	174.37	167.02	159.83	162.10	156.92	145.16	135.41
2001	**6.0**	876.99	863.18	830.78	824.19	806.45	778.42	738.54	724.77	677.36	639.62	587.35	546.36	519.26	445.04	403.48	365.14	331.04	298.24	272.86	249.64	220.92	201.02	189.82	184.83	177.04	169.42	171.82	166.34	153.87	143.54
2002	**(1.9)**	860.33	846.78	815.00	808.53	791.12	763.63	724.51	711.00	664.49	627.47	576.19	535.99	509.74	436.58	395.82	358.20	324.75	292.57	267.68	244.90	216.73	197.20	186.22	181.32	173.68	166.20	168.56	163.18	150.95	140.81
2003	**(3.1)**	833.66	820.53	789.73	783.47	766.60	739.96	702.05	688.96	643.89	608.02	558.32	519.37	493.71	423.05	383.54	347.10	314.69	283.50	259.38	237.31	210.01	191.09	180.44	175.70	168.30	161.05	163.33	158.12	146.27	136.45
2004	**2.3**	852.84	839.40	807.90	801.48	784.23	756.98	718.20	704.81	658.70	622.00	571.17	531.32	505.05	432.78	392.37	355.08	321.92	290.02	265.34	242.77	214.84	195.49	184.59	179.74	172.17	164.75	167.09	161.75	149.63	139.58
2005	**3.5**	882.68	868.78	836.17	829.54	811.68	783.47	743.33	729.47	681.75	643.77	591.16	549.91	522.23	447.93	406.10	367.51	333.19	300.17	274.63	251.26	222.36	202.33	191.06	186.03	178.19	170.52	172.94	167.42	154.87	144.47
2006	**5.1**	927.70	913.09	878.82	871.84	853.08	823.43	781.24	766.68	716.52	676.60	621.31	577.96	549.39	470.77	426.81	386.25	350.18	315.48	288.64	264.08	233.70	212.65	200.80	195.52	187.28	179.21	181.76	175.95	162.77	151.84
2007	**6.4**	987.07	971.53	935.06	927.64	907.67	876.13	831.24	815.75	762.38	719.90	661.07	614.95	584.55	500.90	454.13	410.97	372.60	335.67	307.11	280.98	248.65	226.26	213.65	208.03	199.27	190.68	193.39	187.21	173.19	161.55
2008	**7.7**	1,063.08	1,046.34	1,007.06	999.07	977.56	943.59	895.25	878.56	821.08	775.34	711.97	662.30	629.56	539.47	489.09	442.62	401.29	361.52	330.76	302.62	267.80	243.68	230.10	224.05	214.61	205.37	208.28	201.63	186.52	173.99
2009	**7.5**	1,142.81	1,124.81	1,082.59	1,074.00	1,050.88	1,014.36	962.39	944.45	882.66	833.49	765.37	711.97	676.78	579.93	525.78	475.82	431.38	388.63	355.57	325.31	287.89	261.95	247.36	240.86	230.70	220.77	223.90	216.75	200.51	187.04
2010	**1.9**	1,164.52	1,146.18	1,103.16	1,094.41	1,070.85	1,033.64	980.68	962.39	899.43	849.32	779.91	725.50	689.64	590.93	535.77	484.86	439.58	396.02	362.32	331.49	293.36	266.93	252.06	245.43	235.09	224.96	228.16	220.87	204.32	190.60
2011	**(0.7)**	1,156.37	1,138.16	1,095.44	1,086.74	1,063.35	1,026.40	973.81	955.66	893.14	843.38	774.45	720.42	684.81	586.81	531.02	481.46	436.50	393.25	359.79	329.17	291.30	265.06	250.29	243.71	233.44	223.39	226.56	219.32	202.89	189.26
2012	**6.1**	1,226.91	1,207.59	1,162.26	1,153.04	1,128.22	1,089.01	1,033.22	1,013.95	947.62	894.82	821.69	764.37	726.58	622.61	564.71	510.83	463.13	417.23	381.73	349.25	309.07	281.23	265.56	258.58	247.68	237.02	240.38	232.70	215.27	200.81
2013	**7.4**	1,317.70	1,296.95	1,248.27	1,238.36	1,211.70	1,169.60	1,109.68	1,088.98	1,017.74	961.04	882.50	820.93	780.35	668.68	606.24	548.63	497.40	448.11	409.98	375.10	331.94	302.04	285.21	277.72	266.01	254.56	258.17	249.92	231.20	215.67
2014	**2.5**	1,350.64	1,329.37	1,279.47	1,269.32	1,242.00	1,198.84	1,137.42	1,116.21	1,043.19	985.07	904.56	841.45	799.86	685.40	621.39	562.35	509.84	459.31	420.23	384.47	340.24	309.59	292.34	284.66	272.66	260.92	264.62	256.17	236.98	221.06
2015	**4.3**	1,408.72	1,386.54	1,334.49	1,323.90	1,295.40	1,250.39	1,186.33	1,164.21	1,088.04	1,027.43	943.46	877.64	834.25	714.87	648.11	586.53	531.76	479.06	438.30	401.01	354.87	322.90	304.91	296.90	284.39	272.14	276.00	267.19	247.17	230.57
2016	**(3.2)**	1,363.64	1,342.17	1,291.79	1,281.54	1,253.95	1,210.38	1,148.36	1,126.95	1,053.23	994.55	913.27	849.55	807.56	691.99	627.37	567.76	514.74	463.73	424.27	388.17	343.52	312.57	295.16	287.40	275.29	263.43	267.17	258.64	239.26	223.19
2017	**5.5**	1,438.64	1,415.99	1,362.84	1,352.02	1,322.92	1,276.95	1,211.52	1,188.93	1,111.15	1,049.25	963.50	896.28	851.97	730.05	661.88	598.59	543.05	489.24	447.61	409.52	362.41	329.76	311.39	303.20	290.43	277.92	281.87	272.86	252.42	235.46
2018	**1.5**	1,460.22	1,437.23	1,383.28	1,372.30	1,342.76	1,296.10	1,229.70	1,206.77	1,127.82	1,064.99	977.95	909.72	864.75	741.01	671.81	607.93	551.20	496.58	454.32	415.67	367.85	334.71	316.06	307.75	294.78	282.09	286.09	276.95	256.20	238.99
2019	**4.7**	1,528.85	1,504.78	1,448.29	1,436.80	1,405.87	1,357.02	1,287.49	1,263.49	1,180.83	1,115.04	1,023.91	952.48	905.40	775.83	703.38	636.55	577.10	519.91	475.68	435.20	385.13	350.44	330.92	322.22	308.64	295.35	299.54	289.97	268.24	250.23
2020	**5.2**	1,608.35	1,583.03	1,523.60	1,511.51	1,478.98	1,427.58	1,354.44	1,329.19	1,242.23	1,173.02	1,077.16	1,002.01	952.48	816.18	739.96	669.65	607.13	546.95	500.41	457.83	405.16	368.66	348.12	338.97	324.69	310.70	315.12	305.05	282.19	263.24
2021	**0.9**	1,622.83	1,597.27	1,537.32	1,525.12	1,492.29	1,440.43	1,366.63	1,341.15	1,253.41	1,183.58	1,086.85	1,011.02	961.05	823.52	746.62	675.67	612.68	551.87	504.92	461.95	408.81	371.98	351.26	342.02	327.61	313.50	317.95	307.80	284.73	265.61
2022	**0.4**	1,629.32	1,603.66	1,543.47	1,531.22	1,498.25	1,446.19	1,372.10	1,346.51	1,258.43	1,188.31	1,091.20	1,015.07	964.89	826.82	749.61	678.38	615.02	554.08	506.93	463.80	410.44	373.47	352.66	343.39	328.92	314.75	319.22	309.03	285.87	266.67
		1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991

Note - The Crude Petroleum and Gas Production Workers index is no longer available for use in the annual calculation of overhead adjustment called for in the various COPAS model forms after March 2003, which impacts the adjustment scheduled to occur in April 2004. Research covering the past ten years shows that by blending the Oil and Gas Extraction

CUMULATIVE COPAS ESCALATION PERCENTAGES AS OF APRIL 1, 2022

Rates are not official until published on the COPAS website.

BASE YEAR	ESCAL. %	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	BASE YEAR	ESCAL. %
1963	1.6																															1963	1.6
1964	3.9																															1964	3.9
1965	0.8																															1965	0.8
1966	2.2																															1966	2.2
1967	3.6																															1967	3.6
1968	5.4																															1968	5.4
1969	1.9																															1969	1.9
1970	7.0																															1970	7.0
1971	5.9																															1971	5.9
1972	8.9																															1972	8.9
1973	7.5																															1973	7.5
1974	5.2																															1974	5.2
1975	16.7																															1975	16.7
1976	10.3																															1976	10.3
1977	10.5																															1977	10.5
1978	10.3																															1978	10.3
1979	11.0																															1979	11.0
1980	9.3																															1980	9.3
1981	9.3																															1981	9.3
1982	13.0																															1982	13.0
1983	9.9																															1983	9.9
1984	5.9																															1984	5.9
1985	2.7																															1985	2.7
1986	4.4																															1986	4.4
1987	4.5																															1987	4.5
1988	(1.4)																															1988	(1.4)
1989	3.3																															1989	3.3
1990	8.1																															1990	8.1
1991	7.2																															1991	7.2
1992	1.5																															1992	1.5
1993	(1.1)	98.90																														1993	(1.1)
1994	4.8	103.65	104.80																													1994	4.8
1995	4.4	108.21	109.41	104.40																												1995	4.4
1996	4.1	112.64	113.90	108.68	104.10																											1996	4.1
1997	2.0	114.90	116.18	110.85	106.18	102.00																										1997	2.0
1998	10.3	126.73	128.14	122.27	117.12	112.51	110.30																									1998	10.3
1999	5.8	134.08	135.57	129.36	123.91	119.03	116.70	105.80																								1999	5.8
2000	(0.5)	133.41	134.90	128.72	123.29	118.44	116.11	105.27	99.50																							2000	(0.5)
2001	6.0	141.42	142.99	136.44	130.69	125.54	123.08	111.59	105.47	106.00																						2001	6.0
2002	(1.9)	138.73	140.27	133.85	128.21	123.16	120.74	109.47	103.47	103.99	98.10																					2002	(1.9)
2003	(3.1)	134.43	135.92	129.70	124.23	119.34	117.00	106.07	100.26	100.76	95.06	96.90																				2003	(3.1)
2004	2.3	137.52	139.05	132.68	127.09	122.08	119.69	108.51	102.56	103.08	97.25	99.13	102.30																			2004	2.3
2005	3.5	142.33	143.92	137.33	131.54	126.36	123.88	112.31	106.15	106.69	100.65	102.60	105.88	103.50																		2005	3.5
2006	5.1	149.59	151.26	144.33	138.25	132.80	130.20	118.04	111.57	112.13	105.78	107.83	111.28	108.78	105.10																	2006	5.1
2007	6.4	159.17	160.94	153.57	147.09	141.30	138.53	125.59	118.71	119.31	112.55	114.73	118.40	115.74	111.83	106.40																2007	6.4
2008	7.7	171.42	173.33	165.39	158.42	152.18	149.20	135.26	127.85	128.49	121.22	123.57	127.52	124.65	120.44	114.59	107.70															2008	7.7
2009	7.5	184.28	186.33	177.79	170.30	163.59	160.39	145.41	137.44	138.13	130.31	132.83	137.08	134.00	129.47	123.19	115.78	107.5[illegible]														2009	7.5
2010	1.9	187.78	189.87	181.17	173.54	166.70	163.43	148.17	140.05	140.75	132.79	135.36	139.69	136.55	131.93	125.53	117.98	10[illegible]4	101.90													2010	1.9
2011	(0.7)	186.47	188.54	179.90	172.32	165.54	162.29	147.13	139.07	139.77	131.86	134.41	138.71	135.59	131.01	124.65	117.15	108.7[illegible]	101.19	99.30												2011	(0.7)
2012	6.1	197.84	200.04	190.88	182.83	175.63	172.19	156.11	147.55	148.29	139.90	142.61	147.17	143.86	139.00	132.25	124.30	115.41	107.26	105.36	106.10											2012	6.1
2013	7.4	212.48	214.84	205.00	196.36	188.63	184.93	167.66	158.47	159.27	150.25	153.16	158.06	154.51	149.28	142.04	133.50	123.95	115.3[illegible]	113.15	113.95	107.40										2013	7.4
2014	2.5	217.79	220.22	210.13	201.27	193.35	189.55	171.85	162.43	163.25	154.01	156.99	162.01	158.37	153.02	145.59	136.83	127.05	118.19	115.98	116.80	110.09	102.50									2014	2.5
2015	4.3	227.16	229.68	219.16	209.93	201.66	197.71	179.24	169.42	170.27	160.63	163.74	168.98	165.18	159.60	151.85	142.72	132.51	123.27	120.97	121.82	114.82	106.91	104.30								2015	4.3
2016	(3.2)	219.89	222.33	212.15	203.21	195.21	191.38	173.51	164.00	164.82	155.49	158.50	163.57	159.90	154.49	146.99	138.15	128.27	119.32	117.10	117.92	111.14	103.49	100.96	96.80							2016	(3.2)
2017	5.5	231.98	234.56	223.82	214.39	205.94	201.90	183.05	173.02	173.89	164.04	167.22	172.57	168.69	162.98	155.08	145.75	135.33	125.89	123.51	124.41	117.26	109.18	106.52	102.12	105.50						2017	5.5
2018	1.5	235.46	238.08	227.18	217.60	209.03	204.93	185.80	175.61	176.49	166.50	169.73	175.16	171.22	165.43	157.40	147.93	137.36	127.77	125.89	126.28	119.02	110.82	108.11	103.66	107.08	101.50					2018	1.5
2019	4.7	246.53	249.27	237.85	227.83	218.86	214.57	194.53	183.86	184.79	174.33	177.71	183.39	179.27	173.20	164.80	154.89	143.81	133.78	131.29	132.21	124.61	116.02	113.19	108.53	112.12	106.27	104.70				2019	4.7
2020	5.2	259.35	262.23	250.22	239.68	230.24	225.72	204.64	193.43	194.40	183.39	186.95	192.93	188.59	182.21	173.37	162.94	151.29	140.74	138.[illegible]	138.09	131.09	122.06	119.08	114.17	117.95	111.80	110.14	105.20			2020	5.2
2021	0.9	261.68	264.59	252.47	241.83	232.31	227.75	206.49	195.17	196.15	185.04	188.63	194.66	190.29	183.85	174.93	164.41	152.65	142.00	139.36	139.[illegible]	132.27	123.16	120.15	115.20	119.01	112.80	111.14	106.15	100.90		2021	0.9
2022	0.4	262.73	265.65	253.48	242.80	233.24	228.67	207.31	195.95	196.93	185.78	189.38	195.44	191.05	184.59	175.63	165.07	153.26	142.57	139.91	140.[illegible]	132.80	123.65	120.63	115.66	119.48	113.25	111.58	106.57	101.30	100.40	2022	0.4
		1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021		

Workers Compensation Insurance Manual Rates

Rates are not official until published on the COPAS website.

Council of Petroleum Accountants Societies

2022 Workers' Compensation Insurance Manual Rates

Many Operators are self-insured, making it difficult to determine the amount the Operator should charge for this assumption of risk, and difficult for auditors to verify. COPAS enlisted the services of an actuarial firm to provide manual rates, which form the upper limit for self-insurance.

Model Form Interpretation #31 states that COPAS will publish, on an annual basis, Workers' Compensation Insurance Manual Rates for certain job classifications. The following rates were calculated by a third party, on behalf of COPAS. COPAS believes these rates were compiled in accordance with MFI-31, and are published only as a convenience to the industry. However, COPAS or its agents accept no responsibility for the accuracy of the rates or how the rates are actually utilized by various companies in their billing practices.

Based on a Joint Interest Committee survey, rates for ten states were discontinued. These states are noted in the list below.

2022 Workers' Compensation Manual Rates
Provided by Sound Actuarial Consulting, LLC
Subject to COPAS Approval
April 1, 2022

Monopolistic	CLASS CODES Rates are per $100 of Payroll*				USL&HW
	1320	6235	8227	8810	Factor
Alabama	$ 1.49	$ 5.74	$ 4.92	$ 0.17	1.31
Alaska	$ 0.72	$ 2.57	$ 2.69	$ 0.22	1.31
Arizona	Discontinued State				
Arkansas	$ 1.03	$ 2.21	$ 1.63	$ 0.09	1.84
California	$ 2.08	$ 4.60	$ 4.91	$ 0.29	N.A.
Colorado	$ 0.85	$ 3.74	$ 2.56	$ 0.09	1.84
Florida	$ 1.35	$ 5.37	$ 4.95	$ 0.15	1.58
Georgia	Discontinued State				
Idaho	$ 1.35	$ 5.01	$ 3.69	$ 0.15	1.82
Illinois	$ 5.26	$ 17.18	$ 5.69	$ 0.12	1.50
Indiana	$ 1.51	$ 3.52	$ 2.21	$ 0.12	1.84
Iowa	Discontinued State				

Rates are not official until published on the COPAS website.

Kansas		$ 2.49	$ 8.47	$ 2.38	$ 0.10	2.10
Kentucky		$ 2.37	$ 5.79	$ 2.93	$ 0.14	1.50
Louisiana		$ 2.73	$ 7.45	$ 4.02	$ 0.21	1.23
Maryland		Discontinued State				
Michigan		$ 0.91	$ 2.62	$ 1.87	$ 0.07	1.67
Mississippi		$ 1.25	$ 4.44	$ 3.10	$ 0.18	1.81
Missouri		Discontinued State				
Montana		$ 1.28	$ 4.67	$ 3.42	$ 0.24	1.84
Nebraska		$ 3.28	$ 4.48	$ 3.16	$ 0.15	1.58
Nevada		$ 3.19	$ 9.58	$ 5.34	$ 0.26	1.32
New Jersey		Discontinued State				
New Mexico		$ 1.31	$ 4.62	$ 3.38	$ 0.19	1.58
New York		$ 5.92	$ 9.67	$ 16.30	$ 0.18	1.731
North Carolina		Discontinued State				
North Dakota	Y	$ 2.46	$ 3.79	$ 2.60	$ 0.23	N.A.
Ohio	Y	$ 1.36	$ 2.59	$ 1.42	$ 0.08	N.A.
Oklahoma		$ 1.55	$ 5.10	$ 2.96	$ 0.15	1.75
Oregon		Discontinued State				
Pennsylvania		$ 2.42	$ 2.72	$ 2.42	$ 0.14	1.73
South Carolina		Discontinued State				
South Dakota		$ 1.67	$ 4.40	$ 3.96	$ 0.16	1.50
Tennessee		$ 1.11	$ 3.69	$ 2.47	$ 0.10	2.11
Texas		$ 0.62	$ 4.05	$ 1.21	$ 0.06	2.10
Utah		$ 1.10	$ 2.48	$ 1.81	$ 0.07	1.84
Virginia		$ 1.85	$ 4.67	$ 2.92	$ 0.08	1.32
Washington		Discontinued State				
West Virginia		$ 1.84	$ 3.73	$ 2.41	$ 0.11	2.10
Wyoming	Y	$ 0.52	$ 2.52	$ 1.81	$ 0.31	N.A.

Class	Description
1320	Oil or Gas Lease Operator – All Operations & Drivers
6235	Oil or Gas Well - Drilling or Redrilling & Drivers
8227	Construction or Erection Permanent Yard
8810	Clerical Office Employees NOC

* Rates include the following employers liability coverage:

Injury	Coverage Limit
Bodily Injury by Accident	$100,000 - each accident
Bodily Injury by Disease	$100,000 - each employee
Bodily Injury by Disease	$500,000 - policy limit

Remarks:

California does not promulgate a USL&HW percentage, but rather leaves that to the discretion of each insurer

Kentucky rates include a 6.94% provision for the assessment for the Special Fund, which is outside of the manual rate.

Michigan - the approved loss costs do not include trend; the adjustment factor reflects an annual trend factor of -3.7%

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North Dakota - Cap of $38,500 on wages applied

Ohio - The fully loaded rates include adjustments for administrative costs (20.32%)

Wyoming - Code 211000: Oil & Gas Extraction, Code 213111: Drilling Oil & Gas Wells, Code 213112: Support Activities for Oil and Gas Operations, Code 000010: Clerical Office Occupations

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Excluded Amount

Rates are not official until published on the COPAS website.

DATE: March 10, 2022

TO: COPAS Officers, Directors, Standing & Special Committee Chairpersons, Society Presidents and Council Representatives

SUBJECT: Excluded Amount

Most COPAS Accounting Procedures prior to COPAS 2012 require the application of freight equalization if actual trucking charges are greater than the Excluded Amount (reference the attached Exhibit). Although actual trucking charges are primarily used as industry practice, since they are easily supported through vendor invoices, under many model forms freight equalization is still required in cases where actual transportation cost is greater than the cost between the rail point and property, and the requirement for COPAS to publish the Excluded Amount is still in effect. By raising the excluded amount, the pool of invoices that Operators and Auditors have to examine for potential freight equalization will be reduced. COPAS 2005 provided definitions for these terms as follows:

"**Equalized Freight**" means the procedure of charging transportation cost to the Joint Account based upon the distance from the nearest Railway Receiving Point to the property. "**Excluded Amount**" means a specified excluded trucking amount most recently recommended by COPAS.

Beginning with the COPAS 1984 Model Form, the excluded amount of $400 was to be adjusted to the amount most recently recommended by COPAS. The first update to Excluded Amount (Transportation Equalization Minimum Amount) was approved at the Spring 1996 Council meeting, resulting in an Excluded Amount of $700.

After review of the intent of excluded amount and as an economic factor recommended by COPAS, the Materials Subcommittee of the Joint Interest Standing Committee submitted a recommendation to the Joint Interest Standing Committee that the Excluded Amount should be $1,600, effective April 1, 2014. The Materials Subcommittee's determination of the above Excluded Amount was based on an average of transportation costs, provided by several companies represented by the Materials Subcommittee, and comparable transportation routes. This recommendation was approved by Council at the Spring 2014 meeting.

Since the same Excluded Amount has historically been in effect for several years (see historical rates below), the Materials Subcommittee annually analyzes trucking costs and reports results to

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the Joint Interest Standing Committee, but such results are not submitted for Council approval unless the recommended Excluded Amount changes from the prior year.

Currently, based on an updated analysis of transportation costs, the Materials Subcommittee recommends for COPAS Council approval, and subsequent posting on the COPAS website, an Excluded Amount of **$2,300**, effective April 1, 2022.

Historical Excluded Amounts:
$ 100: COPAS 1962 until COPAS 1974 was published (1975)
$ 200: COPAS 1975 until COPAS 1984 was published (1985)
$ 400: COPAS 1984 until COPAS 1995 was published (1996)
$ 700: Spring 1996 Council meeting to Spring 2014 Council meeting
$1,600: Spring 2014 Council meeting to Spring 2019 Council meeting
$2,000: Spring 2019 Council meeting
$2,300: Spring 2022 Joint Interest Standing Committee (Proposed)

Respectfully Submitted,

Patricia Ellington

Patricia Ellington
Joint Interest Standing Committee Chair

Rates are not official until published on the COPAS website.

EXHIBIT
MFI-1 (COPAS 1962)
MFI-2 (COPAS 1968)
Section II.5.C

5. **Transportation**
Transportation of employees and Material necessary for the Joint Operations but subject to the following limitations:
A. If Material is moved to the Joint Property from the Operator's warehouse or other properties, no charge shall be made to the Joint Account for a distance greater than the distance from the nearest reliable supply store or railway receiving point where like material is available, except by agreement with Non-Operators.
B. If surplus Material is moved to Operator's warehouse or other storage point, no charge shall be made to the Joint Account for a distance greater than the distance to the nearest reliable supply store or railway receiving point, except by agreement with Non-Operators. No charge shall be made to Joint Account for moving Material to other properties belonging to Operator, except by agreement with Non-Operators.
C. In the application of subparagraphs A and B above, there shall be no equalization of actual gross trucking costs of $100 or less.

MFI-3 (COPAS 1974 Arctic),
MFI-4 (COPAS 1975),
MFI-5 (COPAS 1976 Offshore),
Section II.5.C

5. **Transportation**
Transportation of employees and Material necessary for the Joint Operations but subject to the following limitations:

A. If Material is moved to the Joint Property from the Operator's warehouse or other properties, no charge shall be made to the Joint Account for a distance greater than the distance from the nearest reliable supply store, recognized barge terminal, or railway receiving point where like Material is normally available, unless agreed to by the Parties.
B. If surplus Material is moved to Operator's warehouse or other storage point, no charge shall be made to the Joint Account for a distance greater than the distance to the nearest reliable supply store, recognized barge terminal, or railway receiving point unless agreed to by the Parties. No charge shall be made to the Joint Account for moving Material to other properties belonging to Operator, unless agreed to by the Parties.
C. In the application of Subparagraphs A and B above, there shall be no equalization of actual gross trucking cost of $200 or less excluding accessorial charges.

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MFI-17 (COPAS 1984), Section II.6.C

6. **TRANSPORTATION**

Transportation of employees and Material necessary for the Joint Operations but subject to the following limitations:

A. If Material is moved to the Joint Property from the Operator's warehouse or other properties, no charge shall be made to the Joint Account for a distance greater than the distance from the nearest reliable supply store where like material is normally available or railway receiving point nearest the Joint Property unless agreed to by the Parties.

B. If surplus Material is moved to Operator's warehouse or other storage point, no charge shall be made to the Joint Account for a distance greater than the distance to the nearest reliable supply store where like material is normally available, or railway receiving point nearest the Joint Property unless agreed to by the Parties. No charge shall be made to the Joint Account for moving Material to other properties belonging to Operator, unless agreed to by the Parties.

C. In the application of subparagraphs A and B above, the option to equalize or charge actual trucking cost is available when the actual charge is $400 or less excluding accessorial charges. The $400 will be adjusted to the amount most recently recommended by the Council of Petroleum Accountants Societies.

MFI-19 (COPAS 1986), Section II.5.C

5. **Transportation**

Transportation of employees and Material necessary for the Joint Operations but subject to the following limitations:

A. If Material is moved to the Joint Property from the Operator's warehouse or other properties, no charge shall be made to the Joint Account for a distance greater than the distance from the nearest reliable supply store where like material is normally available or railway receiving point nearest the Joint Property unless agreed to by the Parties.

B. If surplus Material is moved to Operator's warehouse or other storage point, no charge shall be made to the Joint Account for a distance greater than the distance to the nearest reliable supply store where like material is normally available, or railway receiving point nearest the Joint Property unless agreed to by the Parties. No charge shall be made to the Joint Account for moving Material to other properties belonging to Operator, unless agreed to by the Parties.

C. In the application of subparagraphs A and B above, the option to equalize or charge actual trucking cost is available when the actual charge is $400 or less excluding accessorial charges. The $400 will be adjusted to the amount most recently recommended by the Council of Petroleum Accountants Societies.

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MFI-39 (COPAS 1998), Section III.4.C
4. TRANSPORTATION

Transportation of Operator's, Non-Operator's, Affiliate's or contractor's personnel, and Material necessary for the Joint Operations but subject to the following limitations:

A. If Material is moved to the Joint Property from the Operator's warehouse or other properties, no charge shall be made to the Joint Account for a distance greater than the distance from the nearest supply store where like Material is normally available or railway receiving point nearest the Joint Property unless agreed to by the Parties.

B. If surplus Material is moved to the Operator's warehouse or other storage point, no charge shall be made to the Joint Account for a distance greater than the distance to the nearest supply store where like Material is normally available or railway receiving point nearest the Joint Property unless agreed to by the Parties. No charge shall be made to the Joint Account for moving Material to other properties unless agreed to by the Parties.

C. **In the application of Paragraphs 4.A. and 4.B. above, the option to equalize or charge actual trucking cost is available when the actual charge is less than the amount most recently recommended by COPAS, excluding accessorial charges**, as set forth in COPAS Bulletin 21.

MFI-51 (COPAS 2005), Section II.4.B(2)
4. TRANSPORTATION

A. Transportation of the Operator's, Operator's Affiliate's, or contractor's personnel necessary for Joint Operations.

B. Transportation of Material between the Joint Property and another property, or from the Operator's warehouse or other storage point to the Joint Property, shall be charged to the receiving property using one of the methods listed below. Transportation of Material from the Joint Property to the Operator's warehouse or other storage point shall be paid for by the Joint Property using one of the methods listed below:

(1) **If the actual trucking charge is less than or equal to the Excluded Amount the Operator may charge actual trucking cost or a theoretical charge from the Railway Receiving Point to the Joint Property**. The basis for the theoretical charge is the per hundred weight charge plus fuel surcharges from the Railway Receiving Point to the Joint Property. The Operator shall consistently apply the selected alternative.

(2) If the actual trucking charge is greater than the Excluded Amount, the Operator shall charge Equalized Freight. Accessorial charges such as loading and unloading costs, split pick-up costs, detention, call out charges, and permit fees shall be charged directly to the Joint Property and shall not be included when calculating the Equalized Freight.

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MFI-53 (COPAS 2012)
II.4
IV.B (Freight)

COPAS 2012 does not reference either freight equalization or excluded amount

4. TRANSPORTATION
The cost of transporting a Party's employees, Affiliate's employees, contractor's personnel, and Material necessary for Joint Operations, subject to Section IV (*Material Purchases, Transfers and Dispositions*).

Transportation of Material between the Joint Property and another property, or from the Operator's warehouse or other storage point to the Joint Property, shall be charged to the receiving property.
Transportation of Material from the Joint Property to a warehouse or other storage point shall be charged to the Joint Account.
Notwithstanding the foregoing, freight charges associated with redeployment of Operator's surplus from another property or warehouse to the Joint Property shall not exceed the cost of moving such surplus from the nearest stocking point to the applicable delivery location.

Rates are not official until published on the COPAS website.

Vehicle Rates

Rates are not official until published on the COPAS website.

Council of Petroleum Accountants Societies

Turning Energy Into Synergy

March 4, 2022

To: COPAS Officers, Directors, Standing & Special Committee Chairpersons, Society Presidents, and Council Representatives

Subject: Vehicle Rates effective April 1, 2022

COPAS Model Form Interpretation 55 (*Vehicle Rates*) was approved at the Fall 2013 Council meeting in San Antonio, Texas to meet the industry need for providing vehicle rates for use in charging Operator-owned vehicles to the Joint Account. As explained therein:

> All COPAS model form accounting procedures provide direct charges to the joint account for the cost of vehicles used in joint operations and allow Petroleum Motor Transport Association (PMTA) rates as a means of billing for those costs. While the 1962 Model Form allows rates from "some other recognized organization" to be used in lieu of PMTA rates, the 1995, 1998, 2005, and 2012 Model Forms state that rates shall be from PMTA or "such other organization recognized by COPAS as the official source of such rates." For companies that choose not to use actual costs, the 1968, 1974, 1976, 1984, and 1986 Model Forms do not have provisions for automotive rates other than PMTA rates.
>
> With PMTA's dissolution and the 2013 rates being the last PMTA-published rates, COPAS must designate an "alternative source of rates" so the industry has a suitable replacement for the PMTA rates. Of course, companies still have the option to calculate and charge a rate commensurate with its actual cost (up to the commercial rate limit) or a rate that represents average commercial rates in the area less 20%.
>
> After reviewing and analyzing multiple options, including several government indices and COPAS' taking over the survey formerly conducted by PMTA, contracting for and utilizing rates furnished by Kelley Blue Book (KBB) represents the most equitable and objective replacement to PMTA rates.

Based on KBB and Edmunds data as of March 2, 2022, the Vehicle Rates Subcommittee of the Joint Interest Standing Committee recommends the following rates for COPAS Council approval and subsequent posting on the COPAS website.

The Edmunds website was used for 2022 rate calculations for 1/2-ton, 3/4-ton, and one-ton trucks because KBB did not provide rates for that size vehicle.

Rates are not official until published on the COPAS website.

Vehicle Type	April 1, 2022 Rate per Mile
Passenger cars	$ .52
1/2-ton pickups (2WD)	.55
1/2-ton pickups (4WD)	.62
3/4-ton pickups (2WD)	.59
3/4-ton pickups (4WD)	.63
One-ton pickups (2WD)	.63
One-ton pickups (4WD)	.67
SUV (2WD)	.70
SUV (4WD)	.72

Notes:

(1) Rates include fuel, insurance, fees, maintenance, repairs, financing costs, and depreciation; they do not include driver's salary or costs, communications equipment, or other added equipment.

(2): There are no "Area" designations or per-hour rates, as were published by PMTA.

Respectfully Submitted,

Patricia Ellington

Patricia Ellington
Joint Interest Standing Committee Chair

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Council of Petroleum Accountants Societies
Turning Energy Into Synergy

COPAS Vehicle Rates Subcommittee
2022 Rate Determinations Data

City / Zip Code / Category	Source	Beeville, TX 78102					Williston, ND 58801					Midland, TX 79701					Indiana, PA 15701					***2022 Average***	2021 Rates	2022 Change
		Amy	Danny	Aaron	Tom	Cody	Amy	Danny	Aaron	Tom	Cody	Amy	Danny	Aaron	Tom	Cody	Amy	Danny	Aaron	Tom	Cody			
SUV - 2WD (2021)	Kelley BB (C)	$ 0.70	$ 0.70	$ 0.70	$ 0.70	$ 0.70	$ 0.69	$ 0.69	$ 0.69	$ 0.69	$ 0.69	$ 0.70	$ 0.70	$ 0.70	$ 0.70	$ 0.70	$ 0.70	$ 0.70	$ 0.70	$ 0.70	$ 0.70	***$ 0.70***	$0.65	7.69%
SUV - 4WD (2021)	Kelley BB (C)	0.73	0.73	0.73	0.73	0.73	0.71	0.71	0.71	0.71	0.71	0.73	0.73	0.73	0.73	0.73	0.72	0.72	0.72	0.72	0.72	***0.72***	0.68	5.88%
1/2 Ton Pickup - 2WD	Edmunds (B)	0.55	0.56	0.56	0.56	0.56	0.52	0.52	0.52	0.52	0.52	0.56	0.57	0.57	0.57	0.57	0.54	0.54	0.54	0.54	0.54	***0.55***	0.51	7.84%
1/2 Ton Pickup - 4WD	Edmunds (B)	0.63	0.63	0.63	0.63	0.63	0.60	0.59	0.59	0.59	0.59	0.63	0.63	0.63	0.63	0.63	0.62	0.61	0.61	0.61	0.61	***0.62***	0.55	12.73%
3/4 Ton Pickup – 2WD	Edmunds	0.59	0.60	0.60	0.60	0.60	0.57	0.57	0.57	0.57	0.57	0.60	0.60	0.60	0.60	0.60	0.58	0.59	0.59	0.59	0.59	***0.59***	0.63	-6.35%
3/4 Ton Pickup – 4WD	Edmunds	0.64	0.63	0.63	0.63	0.63	0.70	0.61	0.61	0.61	0.61	0.65	0.64	0.64	0.64	0.64	0.64	0.63	0.63	0.63	0.63	***0.63***	0.69	-8.70%
One Ton Pickup - 2WD	Edmunds	0.62	0.63	0.63	0.63	0.63	0.60	0.61	0.6	0.61	0.61	0.63	0.64	0.64	0.64	0.64	0.62	0.63	0.63	0.63	0.63	***0.63***	0.67	-5.97%
One Ton Pickup - 4WD	Edmunds	0.67	0.68	0.68	0.68	0.68	0.64	0.66	0.66	0.66	0.66	0.67	0.69	0.69	0.69	0.69	0.66	0.68	0.68	0.68	0.68	***0.67***	0.74	-9.46%
Sedan/Passenger Car	Kelley BB (A)	0.53	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.52	0.52	***0.52***	0.49	6.12%

SUV - Ford, Expedition (2021), XLT, 2 WD
SUV - Ford, Expedition (2021), XLT, 2 WD
1/2 Ton Pickup - Ford F150 Super Crew Cab (2022) Lariat 4dr 6.5 ft Twin Turbo, 2.7L, Automatic, 10-Spd w/ Sport Mode Two-Wheel Drive
1/2 Ton Pickup - Ford F150 Super Crew Cab (2022), Lariat 4dr, 6.5 ft. SB, 5.0L, 8cyl 10A, Four-Wheel Drive
3/4 Ton Pickup – Chevrolet 2500 Silverado HD Crew Cab LT (2022), V8, Flex Fuel, 6.6L Two-Wheel Drive 6'
3/4 Ton Pickup – Chevrolet 2500 Silverado HD Crew Cab LT (2022), V8, Flex Fuel, 6.6L Four-Wheel Drive 6'
One Ton Pickup - Chevrolet Silverado 3500HD Crew Cab LT (2022) 6.6L 8cy, LB (6')
One Ton Pickup - Chevrolet Silverado 3500HD Crew Cab LT (2022) 4WD 6.6L 8cy, LB (6')
Sedan/Passenger Car, (2022) Full Size Cars (Note 1)

Notes:

(A) Calculated by averaging the rates for the Chrysler 300 Touring, Toyota Avalon Hybrid XLE, and Dodge Charger SXT. See supporting schedule.
(B) 2022 KBB data was not available, but 2022 Edmunds data was so team used Edmunds for calculation.
(C) No 2022 information was available via KBB or Edmunds; used 2021 KBB data for calculation.

Rates are not official until published on the COPAS website.

Council of Petroleum Accountants Societies

Turning Energy Into Synergy

COPAS Vehicle Rates Subcommittee
2022 Rate Determinations Data - Passenger Cars

City	Beeville, TX					Williston, ND					Midland, TX					Indiana, PA				
Zip Code	78102					58801					79701					15701				
Sedan	Amy	Danny	Aaron	Tom	Cody	Amy	Danny	Aaron	Tom	Cody	Amy	Danny	Aaron	Tom	Cody	Amy	Danny	Aaron	Tom	Cody
2022 Chrysler 300 Touring (A)	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53	0.52	$ 0.52	$ 0.52	$ 0.52	$ 0.52	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53
2022 Toyota Avalon Hybrid XL	0.52	$ 0.52	$ 0.52	$ 0.52	$ 0.52	0.50	$ 0.50	$ 0.50	$ 0.50	$ 0.50	0.52	$ 0.52	$ 0.52	$ 0.52	$ 0.52	0.51	$ 0.51	$ 0.51	$ 0.51	$ 0.51
2022 Dodge Charger SXT	0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53	0.52	$ 0.52	$ 0.52	$ 0.52	$ 0.52	0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53	0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53
Average (1)	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.52	$ 0.52	$ 0.52	$ 0.52	$ 0.52	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.52	$ 0.52	$ 0.52	$ 0.52	$ 0.52

(1): The resulting average for each Zip Code will be transferred to the first page under "Sedan/Passenger Car, (2022) Full Size Cars"

(A) Chrysler 300 replaced Chevrolet Impala since it was discontinued by manufacturer in early 2020.