

TABLE A28

Gas Transmission and Distribution Expenses: Materials and Services

(TREND 161)

(2012=1.000)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
TRANSMISSION EXPENSES													
Total Operation and Maintenance:													
JGTOMMS	1.033	1.026	1.023	1.043	1.067	1.094	1.120	1.149	1.175	1.201	1.227	1.254	1.278
Percent Change	1.8	-0.6	-0.3	1.9	2.3	2.5	2.4	2.5	2.3	2.2	2.2	2.2	1.9
Operation: JGTOMS	1.032	1.025	1.020	1.042	1.067	1.094	1.120	1.149	1.176	1.202	1.228	1.256	1.281
Percent Change	1.8	-0.8	-0.5	2.1	2.5	2.5	2.3	2.6	2.4	2.2	2.2	2.3	2.0
Supervision and Eng. 850: JS&EMS	1.036	1.042	1.055	1.083	1.115	1.148	1.181	1.215	1.248	1.282	1.315	1.349	1.384
Percent Change	2.0	0.6	1.2	2.6	3.0	3.0	2.9	2.8	2.7	2.7	2.6	2.6	2.6
System Control & Load Dispatching 851:													
JGT851MS	1.037	1.036	1.029	1.047	1.076	1.104	1.132	1.160	1.188	1.214	1.241	1.269	1.299
Percent Change	2.6	-0.1	-0.6	1.8	2.7	2.6	2.5	2.5	2.4	2.2	2.2	2.3	2.4
Communication Expenses 852: JGT852MS	1.009	0.995	0.983	0.994	1.014	1.036	1.058	1.079	1.099	1.119	1.138	1.158	1.175
Percent Change	0.8	-1.4	-1.2	1.2	2.0	2.1	2.1	2.0	1.8	1.8	1.8	1.7	1.5
Compressor Stations 853: JGT853MS	1.016	1.030	1.027	1.049	1.066	1.089	1.111	1.146	1.177	1.208	1.236	1.270	1.296
Percent Change	1.3	1.3	-0.3	2.2	1.6	2.2	2.0	3.1	2.7	2.6	2.4	2.7	2.1
Gas For Comp. Stations 854*: JGT854MS	1.547	0.901	0.771	0.888	0.987	1.056	1.118	1.249	1.336	1.356	1.410	1.505	1.531
Percent Change	18.5	-41.7	-14.5	15.1	11.2	7.0	5.9	11.7	7.0	1.5	4.1	6.7	1.8
Other Fuel & Power for Comp. Stat. 855*:													
JGT855MS	0.968	0.847	0.769	0.786	0.819	0.849	0.887	0.922	0.953	0.981	1.013	1.046	1.067
Percent Change	-0.9	-12.4	-9.3	2.3	4.2	3.7	4.4	3.9	3.4	2.9	3.3	3.2	2.1
Mains 856: JGT856MS	1.055	1.015	1.003	1.028	1.058	1.087	1.115	1.147	1.176	1.201	1.228	1.258	1.282
Percent Change	2.9	-3.7	-1.3	2.5	3.0	2.7	2.6	2.9	2.5	2.1	2.3	2.4	2.0
Mea. and Reg. Stations 857: JGT857MS	1.030	1.033	1.025	1.048	1.080	1.113	1.146	1.180	1.213	1.245	1.279	1.312	1.345
Percent Change	2.3	0.2	-0.7	2.3	3.0	3.0	3.0	3.0	2.8	2.7	2.7	2.6	2.5
Source: IHS													
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Other Expenses 859: JGT859MS													
Percent Change	1.4	-0.9	-0.9	1.5	2.1	2.1	1.7	1.5	1.4	1.4	1.4	1.3	1.2
Rents 860: JRENT	1.007	1.015	1.013	1.022	1.045	1.067	1.084	1.099	1.114	1.127	1.141	1.155	1.169
Percent Change	-1.7	0.9	-0.2	0.9	2.2	2.1	1.6	1.4	1.3	1.2	1.2	1.2	1.2
Maintenance: JGTMMS	1.034	1.031	1.033	1.047	1.068	1.095	1.123	1.149	1.174	1.198	1.224	1.248	1.271
Percent Change	1.7	-0.2	0.1	1.4	2.0	2.5	2.5	2.3	2.1	2.1	2.1	2.0	1.8
Supervision and Eng. 861: JS&EMS	1.036	1.042	1.055	1.083	1.115	1.148	1.181	1.215	1.248	1.282	1.315	1.349	1.384
Percent Change	2.0	0.6	1.2	2.6	3.0	3.0	2.9	2.8	2.7	2.7	2.6	2.6	2.6
Structures 862: JGT862MS	1.011	0.955	0.941	0.972	1.008	1.048	1.090	1.128	1.161	1.193	1.228	1.259	1.281
Percent Change	0.6	-5.6	-1.4	3.3	3.8	4.0	4.0	3.5	2.9	2.8	2.9	2.5	1.7
Mains 863: JGT863MS	1.036	1.029	1.030	1.047	1.066	1.095	1.123	1.150	1.175	1.200	1.226	1.251	1.274
Percent Change	1.9	-0.7	0.1	1.6	1.9	2.7	2.6	2.4	2.1	2.1	2.2	2.0	1.8
Comp. Sta. Equip 864: JGT864MS	1.033	1.036	1.037	1.047	1.068	1.093	1.119	1.143	1.167	1.190	1.214	1.237	1.259
Percent Change	1.6	0.3	0.1	0.9	2.0	2.3	2.4	2.2	2.1	2.0	2.0	1.9	1.7
Mea. and Reg. Sta. Equip. 865: JGT865MS	1.039	1.043	1.043	1.053	1.075	1.102	1.129	1.155	1.180	1.204	1.229	1.253	1.276
Percent Change	1.9	0.4	0.0	1.0	2.1	2.5	2.5	2.3	2.1	2.1	2.1	2.0	1.8
Communication Equip. 866: JGT866MS	0.998	0.997	0.993	0.984	0.977	0.971	0.965	0.959	0.953	0.948	0.942	0.936	0.930
Percent Change	0.1	-0.1	-0.5	-0.9	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
Other Equip. 867: JGT867MS	1.023	1.035	1.042	1.054	1.069	1.086	1.102	1.117	1.132	1.147	1.163	1.178	1.194
Percent Change	1.4	1.2	0.7	1.1	1.4	1.6	1.5	1.4	1.3	1.3	1.3	1.3	1.3
DISTRIBUTION EXPENSES													
Total Operation and Maintenance:													
JGDOMMS	1.040	1.027	1.025	1.047	1.074	1.102	1.130	1.159	1.187	1.213	1.240	1.268	1.294
Percent Change	2.1	-1.2	-0.2	2.1	2.6	2.6	2.6	2.6	2.4	2.2	2.3	2.2	2.1
Operation: JGDOMS	1.042	1.027	1.024	1.047	1.076	1.104	1.132	1.162	1.191	1.218	1.245	1.274	1.301
Percent Change	2.2	-1.4	-0.3	2.3	2.8	2.6	2.6	2.6	2.5	2.2	2.3	2.3	2.1
Supervision and Eng. 870: JS&EMS	1.036	1.042	1.055	1.083	1.115	1.148	1.181	1.215	1.248	1.282	1.315	1.349	1.384
Percent Change	2.0	0.6	1.2	2.6	3.0	3.0	2.9	2.8	2.7	2.7	2.6	2.6	2.6
Load Dispatching 871: JGD871MS	1.034	1.033	1.027	1.044	1.071	1.098	1.125	1.152	1.179	1.204	1.230	1.258	1.287
Percent Change	2.4	-0.1	-0.6	1.6	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.2	2.3
Compressor Stations 872: JGD872MS	1.016	1.030	1.027	1.049	1.066	1.089	1.111	1.146	1.177	1.208	1.236	1.270	1.296
Percent Change	1.3	1.3	-0.3	2.2	1.6	2.2	2.0	3.1	2.7	2.6	2.4	2.7	2.1
Comp. Sta. Fuel and Power 873*:													
JGD873MS	1.112	0.861	0.769	0.811	0.861	0.901	0.945	1.003	1.049	1.075	1.113	1.161	1.184
Percent Change	5.1	-22.6	-10.7	5.5	6.2	4.6	4.8	6.2	4.5	2.5	3.5	4.3	2.0
Mains 874: JGD874MS	1.055	1.015	1.003	1.028	1.058	1.086	1.114	1.145	1.174	1.199	1.226	1.255	1.279
Percent Change	2.8	-3.8	-1.2	2.5	2.9	2.7	2.6	2.9	2.5	2.1	2.3	2.4	1.9
Mea. and Reg. Stations 875-77:													
JGD875&6&7MS	1.029	1.031	1.026	1.048	1.077	1.107	1.138	1.169	1.199	1.228	1.259	1.289	1.319
Percent Change	2.1	0.3	-0.6	2.1	2.8	2.8	2.8	2.7	2.6	2.5	2.5	2.4	2.3
Meter and House Regulators 878:													
JGD878MS	1.020	1.026	1.021	1.040	1.065	1.091	1.118	1.145	1.171	1.197	1.223	1.249	1.275
Percent Change	1.5	0.5	-0.5	1.9	2.4	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0
Cus. Installations 879: JGD879MS	1.016	1.019	1.013	1.032	1.056	1.083	1.108	1.134	1.159	1.184	1.209	1.235	1.260
Percent Change	1.2	0.3	-0.6	1.9	2.4	2.5	2.4	2.3	2.2	2.1	2.1	2.1	2.0
Other Expenses 880: JGD880MS	1.044	1.046	1.047	1.059	1.083	1.101	1.121	1.141	1.162	1.181	1.200	1.219	1.237
Percent Change	1.9	0.1	0.1	1.1	2.3	1.7	1.7	1.8	1.8	1.7	1.6	1.5	1.5

Source: IHS

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TABLE A28

Gas Transmission and Distribution Expenses: Materials and Services

(TREND 161)

(2012=1.000)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Rents 881: JRENT	1.007	1.015	1.013	1.022	1.045	1.067	1.084	1.099	1.114	1.127	1.141	1.155	1.169
Percent Change	-1.7	0.9	-0.2	0.9	2.2	2.1	1.6	1.4	1.3	1.2	1.2	1.2	1.2
Maintenance: JGDMMS	1.034	1.029	1.030	1.045	1.066	1.094	1.122	1.148	1.173	1.197	1.223	1.247	1.270
Percent Change	1.8	-0.5	0.1	1.5	2.0	2.6	2.6	2.3	2.1	2.1	2.1	2.0	1.9
Supervision and Eng. 885: JS&EMS	1.036	1.042	1.055	1.083	1.115	1.148	1.181	1.215	1.248	1.282	1.315	1.349	1.384
Percent Change	2.0	0.6	1.2	2.6	3.0	3.0	2.9	2.8	2.7	2.7	2.6	2.6	2.6
Structures 886: JGD886MS	1.011	0.955	0.941	0.972	1.008	1.048	1.090	1.128	1.161	1.193	1.228	1.259	1.281
Percent Change	0.6	-5.6	-1.4	3.3	3.8	4.0	4.0	3.5	2.9	2.8	2.9	2.5	1.7
Mains 887: JGD887MS	1.036	1.029	1.030	1.047	1.066	1.095	1.123	1.150	1.175	1.200	1.226	1.251	1.274
Percent Change	1.9	-0.7	0.1	1.6	1.9	2.7	2.6	2.4	2.1	2.1	2.2	2.0	1.8
Comp. Sta. Equip 888: JGD888MS	1.033	1.036	1.037	1.047	1.068	1.093	1.119	1.143	1.167	1.190	1.214	1.237	1.259
Percent Change	1.6	0.3	0.1	0.9	2.0	2.3	2.4	2.2	2.1	2.0	2.0	1.9	1.7
Mea. and Reg. Sta. Equip 889-91: JGD889&90&91MS	1.039	1.043	1.043	1.053	1.075	1.102	1.129	1.155	1.180	1.204	1.229	1.253	1.276
Percent Change	1.9	0.4	0.0	1.0	2.1	2.5	2.5	2.3	2.1	2.1	2.1	2.0	1.8
Services 892: JGD892MS	1.036	1.029	1.031	1.048	1.071	1.101	1.130	1.158	1.183	1.208	1.235	1.260	1.282
Percent Change	1.7	-0.6	0.1	1.6	2.2	2.8	2.7	2.4	2.2	2.1	2.2	2.0	1.8
Meter and House Regulators 893: JGD893MS	1.030	1.009	1.001	1.013	1.033	1.061	1.089	1.114	1.137	1.160	1.185	1.208	1.231
Percent Change	1.6	-2.0	-0.8	1.2	2.0	2.7	2.6	2.3	2.1	2.0	2.1	1.9	2.0
Other Equip 894: JGD894MS	1.028	1.042	1.054	1.066	1.086	1.106	1.127	1.147	1.167	1.187	1.208	1.228	1.249
Percent Change	1.5	1.4	1.1	1.2	1.8	1.9	1.9	1.8	1.7	1.7	1.7	1.7	1.7

* These accounts are given no weight in forming the total operation and total operation and maintenance cost indexes

Source: IHS

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TABLE A29

Gas Customer Accounts; Customer Service and Information; Sales; and Administrative and General Expenses: Materials and Services

(TREND 161)

(2012=1.000)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
CUSTOMER ACCOUNTS													
Operation: JGCAOMS	1.046	1.045	1.053	1.073	1.099	1.124	1.151	1.177	1.203	1.229	1.256	1.282	1.309
Percent Change	2.2	-0.1	0.7	1.9	2.5	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1
Supervision and Eng. 901: JS&MS	1.037	1.043	1.056	1.084	1.115	1.149	1.182	1.214	1.247	1.280	1.313	1.346	1.380
Percent Change	2.0	0.6	1.3	2.6	2.9	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.5
Meter Reading Exp. 902: JGCA902MS	1.038	1.036	1.041	1.058	1.081	1.103	1.125	1.148	1.171	1.194	1.216	1.238	1.261
Percent Change	1.8	-0.2	0.5	1.6	2.2	2.0	2.0	2.0	2.0	1.9	1.9	1.8	1.8
Cus. Records and Collections 903: JGCA903MS	1.055	1.055	1.065	1.087	1.118	1.146	1.176	1.205	1.235	1.265	1.295	1.325	1.355
Percent Change	2.6	0.1	0.9	2.1	2.8	2.5	2.6	2.5	2.5	2.4	2.4	2.3	2.3
Miscellaneous 905: JGCA905MS	1.008	0.992	0.987	0.987	0.990	0.993	0.997	0.999	1.001	1.004	1.008	1.011	1.015
Percent Change	0.2	-1.6	-0.6	0.0	0.3	0.3	0.4	0.2	0.3	0.3	0.4	0.3	0.3
CUSTOMER SERVICE and INFORMATION													
Operation: JGCSIOMS	1.026	1.020	1.022	1.039	1.060	1.081	1.102	1.122	1.142	1.162	1.182	1.202	1.222
Percent Change	1.4	-0.6	0.2	1.7	2.0	2.0	1.9	1.8	1.8	1.8	1.7	1.7	1.7
Supervision 907: JS&MS	1.037	1.043	1.056	1.084	1.115	1.149	1.182	1.214	1.247	1.280	1.313	1.346	1.380
Percent Change	2.0	0.6	1.3	2.6	2.9	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.5
Customer Assistance 908: JGCSI908MS	1.026	1.020	1.023	1.044	1.067	1.091	1.115	1.138	1.161	1.184	1.207	1.229	1.252
Percent Change	1.4	-0.5	0.3	2.0	2.3	2.3	2.2	2.1	2.0	2.0	2.0	1.9	1.9
Info. and Instruc. Advertising 909: JGCSI909MS	1.034	1.038	1.043	1.055	1.073	1.089	1.108	1.127	1.146	1.164	1.182	1.200	1.217
Percent Change	1.6	0.3	0.5	1.2	1.7	1.5	1.7	1.7	1.7	1.6	1.5	1.5	1.4
Miscellaneous 910: JGCSI910MS	1.028	1.016	1.013	1.016	1.026	1.033	1.041	1.049	1.058	1.067	1.076	1.084	1.093
Percent Change	1.0	-1.2	-0.3	0.3	1.0	0.7	0.8	0.8	0.9	0.8	0.8	0.8	0.8
SALES													
Operation: JGSALOMS	1.027	1.031	1.038	1.058	1.084	1.111	1.137	1.163	1.188	1.213	1.238	1.263	1.288
Percent Change	1.6	0.4	0.6	2.0	2.4	2.5	2.4	2.3	2.1	2.1	2.1	2.0	2.0
Supervision 911: JS&MS	1.037	1.043	1.056	1.084	1.115	1.149	1.182	1.214	1.247	1.280	1.313	1.346	1.380
Percent Change	2.0	0.6	1.3	2.6	2.9	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.5
Demonstr. and Selling 912: JGSAL912MS	1.026	1.031	1.037	1.058	1.084	1.111	1.138	1.163	1.188	1.213	1.239	1.263	1.289
Percent Change	1.6	0.4	0.6	2.0	2.4	2.5	2.4	2.3	2.2	2.1	2.1	2.0	2.0
Advertising 913: JGSAL913MS	1.041	1.045	1.051	1.065	1.084	1.101	1.120	1.139	1.158	1.178	1.197	1.216	1.234
Percent Change	1.9	0.4	0.6	1.3	1.9	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.5
Miscellaneous 916: JGSAL916MS	1.028	1.016	1.013	1.016	1.026	1.033	1.041	1.049	1.058	1.067	1.076	1.084	1.093
Percent Change	1.0	-1.2	-0.3	0.3	1.0	0.7	0.8	0.8	0.9	0.8	0.8	0.8	0.8
ADMINISTRATIVE and GENERAL													
Total Operation and Maintenance:													
JGADGOMMS	1.031	1.048	1.063	1.085	1.110	1.136	1.162	1.188	1.214	1.239	1.265	1.292	1.319
Percent Change	1.4	1.7	1.4	2.0	2.3	2.4	2.3	2.2	2.2	2.1	2.1	2.1	2.1
Operation: JGADGOMS	1.031	1.048	1.063	1.085	1.110	1.136	1.163	1.189	1.214	1.240	1.266	1.292	1.319
Percent Change	1.4	1.7	1.4	2.0	2.3	2.4	2.3	2.2	2.2	2.1	2.1	2.1	2.1
Office Supplies 921: JGADG921MS	1.031	1.030	1.033	1.047	1.066	1.085	1.105	1.125	1.144	1.164	1.183	1.203	1.223
Percent Change	1.7	-0.1	0.4	1.3	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6
Outside Services 923: JGADG923MS	1.021	1.039	1.051	1.072	1.094	1.118	1.141	1.163	1.184	1.204	1.225	1.246	1.268
Percent Change	0.8	1.8	1.2	1.9	2.1	2.2	2.1	1.9	1.8	1.7	1.7	1.8	1.8
Property Insurance 924: JGADG924MS	1.039	1.064	1.080	1.101	1.125	1.147	1.167	1.188	1.211	1.236	1.260	1.286	1.311
Percent Change	1.9	2.4	1.4	2.0	2.2	1.9	1.8	1.8	1.9	2.0	2.0	2.0	2.0
Injuries and Damages 925: JGADG925MS	1.032	1.052	1.068	1.087	1.106	1.126	1.146	1.165	1.185	1.205	1.225	1.246	1.268
Percent Change	1.3	1.9	1.6	1.8	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8
Pensions and Benefits 926: JGADG926MS	1.052	1.079	1.114	1.154	1.198	1.245	1.295	1.344	1.393	1.443	1.493	1.545	1.599
Percent Change	2.4	2.6	3.2	3.6	3.8	4.0	4.0	3.8	3.7	3.6	3.4	3.5	3.5
Franchise Fees 927: JGADG927MS	1.030	1.029	1.035	1.061	1.088	1.117	1.147	1.176	1.206	1.237	1.268	1.300	1.331
Percent Change	1.4	-0.1	0.6	2.5	2.5	2.7	2.7	2.6	2.5	2.5	2.5	2.5	2.4
Regulatory Commission Exp. 928: JGADG928MS	1.031	1.037	1.045	1.065	1.090	1.116	1.142	1.167	1.192	1.218	1.244	1.270	1.297
Percent Change	1.6	0.6	0.8	2.0	2.3	2.4	2.3	2.2	2.2	2.1	2.2	2.1	2.1
General Advertising 930.1: JGADG9301MS	1.039	1.043	1.049	1.062	1.082	1.098	1.117	1.135	1.154	1.173	1.190	1.208	1.225
Percent Change	1.8	0.3	0.6	1.3	1.9	1.5	1.7	1.7	1.7	1.6	1.5	1.5	1.4
Miscellaneous 930.2: JGADG9302MS	1.026	1.030	1.035	1.045	1.062	1.079	1.096	1.113	1.131	1.148	1.164	1.181	1.197
Percent Change	1.2	0.4	0.5	1.0	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.4	1.4
Rents 931: JRENT931	1.029	1.083	1.110	1.122	1.140	1.159	1.176	1.192	1.206	1.222	1.237	1.253	1.269
Percent Change	1.8	5.3	2.4	1.2	1.6	1.6	1.5	1.3	1.2	1.3	1.3	1.3	1.3
Maintenance													
General Plant 932: JGADG932MS	1.019	1.010	1.006	1.014	1.024	1.036	1.050	1.062	1.073	1.084	1.095	1.105	1.114
Percent Change	1.4	-0.9	-0.4	0.8	1.0	1.2	1.3	1.2	1.0	1.0	1.0	1.0	0.7

Source: IHS

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