

US EPA ARCHIVE DOCUMENT

WASHINGTON INPUT-OUTPUT MODEL (NAICS)		Grays Harbor Paper 2006						
COMPLEX IMPACT ANALYSIS								
Procedure: This procedure is designed to estimate impacts of industries or activities not identified in the input-output table. The procedure presumes that the output, employment, labor income, and first-round purchases of the activity are known.								
Specify the output, employment, and labor income of the activity in the first, fourth, and fifth columns of Table 1 in the appropriate industry category. Output and labor income are expressed in millions of 2006 dollars. Employment is expressed in number of jobs.								
Specify the first-round purchases in millions of 2006 dollars in the first column of Table 2.								
The total output, employment, and labor income impact on the Washington is shown in Table 7 and Table 8								
Table 1. WASHINGTON DIRECT OUTPUT, EMPLOYMENT, AND LABOR INCOME								
		1	2	3	4	5	6	7
		Output	Deflator	Output		Labor	Income	
		(mils. \$2006)	(2002=1.000)	(mils. \$02)	Employment	Income	Deflator	Income
	NAICS					(mils. \$2006)	(2002=1.000)	(mils. \$02)
1. Crop Production	111	0	1.143	0	0	0	1.108	0
2. Animal Production	112	0	1.199	0	0	0	1.108	0
3. Forestry and Logging	113 (Incl. stat	0	1.071	0	0	0	1.108	0
4. Fishing, Hunting, and Trapping	114	0	1.280	0	0	0	1.108	0
5. Mining	21	0	1.318	0	0	0	1.108	0
6. Electric Utilities	2211 (Incl. pu	0	1.213	0	0	0	1.108	0
7. Gas Utilities	2212 (Incl. pu	0	1.796	0	0	0	1.108	0
8. Other Utilities	2213 (Incl. pu	0	1.213	0	0	0	1.108	0
9. Construction	23	0	1.283	0	0	0	1.108	0
10. Food, Beverage and Tobacco Manufacturing	311, 312	0	1.105	0	0	0	1.108	0
11. Textiles and Apparel Mills	313, 314, 315	0	1.054	0	0	0	1.108	0
12. Wood Product Manufacturing	321	0	1.116	0	0	0	1.108	0
13. Paper Manufacturing	322	94.77	1.121	84.55	222	15.131	1.108	13.6573093
14. Printing and Related Activities	323	0	1.052	0	0	0	1.108	0
15. Petroleum and Coal Products Manufacturing	324	0	2.378	0	0	0	1.108	0
16. Chemical Manufacturing	325	0	1.258	0	0	0	1.108	0
17. Nonmetallic Mineral Products Manufacturing	327	0	1.189	0	0	0	1.108	0
18. Primary Metal Manufacturing	331	0	1.519	0	0	0	1.108	0
19. Fabricated Metals Manufacturing	332	0	1.150	0	0	0	1.108	0
20. Machinery Manufacturing	333	0	1.099	0	0	0	1.108	0
21. Computer and Electronic Product Manufacturing	334	0	0.846	0	0	0	1.108	0
22. Electrical Equipment Manufacturing	335	0	1.135	0	0	0	1.108	0
23. Aircraft and Parts Manufacturing	3364	0	1.154	0	0	0	1.108	0
24. Ship and Boat Building	3366 (Incl. fec	0	1.160	0	0	0	1.108	0
25. Other Transportation Equipment Manufacturing	3361, 3362, 3	0	1.006	0	0	0	1.108	0
26. Furniture Product Manufacturing	337	0	1.095	0	0	0	1.108	0
27. Other Manufacturing	316, 326, 339	0	1.131	0	0	0	1.108	0

24. Ship and Boat Building	0	1.160	0	0	0									
25. Other Transportation Equipment Manufacturing	0	1.006	0	0	0									
26. Furniture Product Manufacturing	3.1745E-05	1.095	2.83232E-05	3.34973E-07	3.17451E-05									
27. Other Manufacturing	0.00586847	1.131	0.005235903	6.19239E-05	0.005868473									
28. Wholesale	4.50757543	1.136	4.021698058	0.047563772	4.507575428									
29. Retail	0.02892151	1.061	0.025804024	0.000305179	0.028921511									
30. Air Transportation	0.00743401	1.143	0.006632687	7.84434E-05	0.007434008									
31. Water Transportation	0.00471011	1.220	0.004202402	4.97009E-05	0.004710111									
32. Truck Transportation	0.60568737	1.165	0.540399547	0.006391191	0.60568737									
33. Other Transportation/Postal Offices	0.79481971	1.153	0.709145066	0.008386909	0.794819707									
34. Support Activities for Storage, Transportation and Information	0.02054881	1.133	0.018333831	0.00021683	0.020548814									
35. Software Publishers & Internet Service Providers	0.02326741	0.830	0.020759384	0.000245517	0.023267408									
36. Telecommunications	0.04945738	0.961	0.044126303	0.000521872	0.049457377									
37. Other Information	6.2049E-05	1.127	5.53606E-05	6.54738E-07	6.20489E-05									
38. Credit Intermediation and Related Activities	0.45706779	1.005	0.407799861	0.004822963	0.457067787									
39. Other Finance and Insurance	0.01727268	1.163	0.015410839	0.000182261	0.017272684									
40. Real Estate and Rental and Leasing	0.41550253	1.113	0.370714981	0.004384368	0.415502535									
41. Legal /Accounting and Bookkeeping /Management and Consulting	0.37109349	1.078	0.331092844	0.003915765	0.37109349									
42. Architectural, Engineering, and Computing Services	0.01862527	1.122	0.016617625	0.000196533	0.018625266									
43. Educational Services	4.0542E-06	1.197	3.61718E-06	4.27796E-08	4.05418E-06									
44. Ambulatory Health Care Services	0	1.091	0	0	0									
45. Hospitals	0	1.184	0	0	0									
46. Nursing and Residential Care Facilities, Social Assistance, and Health Care	0	1.139	0	0	0									
47. Arts, Recreation, and Accommodation	0.16610541	1.115	0.148200697	0.001752738	0.166105413									
48. Food Services and Drinking Places	0.03128604	1.119	0.027913679	0.000330129	0.031286042									
49. Administrative/Employment Support Services	0.16492767	1.104	0.147149904	0.001740311	0.16492767									
50. Waste Management/Other, and Agriculture Services	1.5471859	1.145	1.380412734	0.016325849	1.547185898									
				0.204795976	19.40832829									

Table 3. WASHINGTON INVERSE MATRIX (Type II)

		1. Crop Production	2. Animal Production	3. Forestry and Logging	4. Fishing, Hunting, and Trapping	5. Mining	6. Electric Utilities	7. Gas Utilities	8. Other Utilities	9. Construction	10. Food, Beverage and Tobacco Manufacturing	11. Textiles and Apparel Mills	12. Wood Product Manufacturing	13. Paper and Allied Product Manufacturing
1. Crop Production	111	1.04452	0.10876	0.00159	0.00361	0.00415	0.00097	0.00080	0.00152	0.00387	0.06237	0.01137	0.00258	0.00195
2. Animal Production	112	0.00324	1.10436	0.00232	0.00223	0.00198	0.00073	0.00060	0.00114	0.00162	0.07866	0.00275	0.00153	0.00151
3. Forestry and Logging	113 (Incl. state)	0.00083	0.00052	1.14278	0.00124	0.00072	0.00015	0.00036	0.00022	0.00209	0.00096	0.00044	0.15682	0.02037
4. Fishing, Hunting, and Trapping	114	0.00064	0.00142	0.00039	1.00078	0.00076	0.00029	0.00023	0.00044	0.00064	0.01021	0.00057	0.00052	0.00051
5. Mining	21	0.00030	0.00028	0.00008	0.00017	1.00074	0.00520	0.00266	0.00014	0.00067	0.00019	0.00019	0.00019	0.00028
6. Electric Utilities	2211 (Incl. public)	0.04621	0.04523	0.01144	0.02109	0.04374	1.27116	0.00709	0.01542	0.02176	0.03060	0.03111	0.03290	0.04104
7. Gas Utilities	2212 (Incl. public)	0.00718	0.00711	0.00241	0.00505	0.00963	0.02160	1.00216	0.00523	0.00422	0.00731	0.00683	0.00554	0.01193
8. Other Utilities	2213 (Incl. public)	0.01996	0.00545	0.00218	0.00377	0.00319	0.00224	0.00139	1.00166	0.00297	0.00439	0.00318	0.00309	0.00355
9. Construction	23	0.05752	0.03898	0.01756	0.05738	0.20243	0.01972	0.01222	0.02623	1.01806	0.03035	0.02348	0.03612	0.04180
10. Food, Beverage and Tobacco Manufacturing	311, 312	0.01123	0.09457	0.00811	0.01760	0.01357	0.00510	0.00408	0.00778	0.01150	1.18451	0.01041	0.00949	0.01212
11. Textiles and Apparel Mills	313, 314, 315	0.00006	0.00003	0.00002	0.00010	0.00003	0.00001	0.00001	0.00002	0.00005	0.00003	1.00304	0.00012	0.00014
12. Wood Product Manufacturing	321	0.00542	0.00274	0.00488	0.00836	0.00439	0.00075	0.00242	0.00107	0.01493	0.00373	0.00233	1.18145	0.11666
13. Paper Manufacturing	322	0.00252	0.00305	0.00113	0.00181	0.00290	0.00081	0.00069	0.00132	0.00247	0.01667	0.00344	0.00305	1.07729
14. Printing and Related Activities	323	0.00023	0.00020	0.00018	0.00016	0.00016	0.00006	0.00006	0.00011	0.00016	0.00016	0.00026	0.00016	0.00012
15. Petroleum and Coal Products Manufacturing	324	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
16. Chemical Manufacturing	325	0.01153	0.00408	0.00078	0.00111	0.00279	0.00035	0.00049	0.00082	0.00193	0.00291	0.01742	0.00300	0.00778
17. Nonmetallic Mineral Products Manufacturing	327	0.00135	0.00123	0.00057	0.00173	0.00454	0.00066	0.00115	0.00135	0.01441	0.00365	0.00132	0.00496	0.00148
18. Primary Metal Manufacturing	331	0.00004	0.00005	0.00002	0.00005	0.00029	0.00002	0.00003	0.00001	0.00014	0.00024	0.00004	0.00007	0.00008
19. Fabricated Metals Manufacturing	332	0.00117	0.00150	0.00053	0.00303	0.00375	0.00046	0.00113	0.00057	0.00567	0.00291	0.00131	0.00315	0.00240
20. Machinery Manufacturing	333	0.00240	0.00159	0.00338	0.00312	0.00515	0.00246	0.00176	0.00038	0.00440	0.00131	0.00061	0.00199	0.00172

21. Computer and Electronic Product Manufacturing	334	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22. Electrical Equipment Manufacturing	335	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
23. Aircraft and Parts Manufacturing	3364	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
24. Ship and Boat Building	3366 (Incl. fer	0.00030	0.00037	0.00017	0.00688	0.00037	0.00014	0.00011	0.00021	0.00029	0.00029	0.00028	0.00024	0.00023
25. Other Transportation Equipment Manufacturing	3361, 3362, 3	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
26. Furniture Product Manufacturing	337	0.00015	0.00014	0.00007	0.00016	0.00029	0.00006	0.00006	0.00009	0.00101	0.00009	0.00010	0.00044	0.00014
27. Other Manufacturing	316, 326, 339	0.00012	0.00013	0.00006	0.00014	0.00016	0.00004	0.00004	0.00006	0.00018	0.00019	0.00013	0.00012	0.00014
28. Wholesale	423	0.05858	0.07040	0.05241	0.06163	0.04465	0.01494	0.01292	0.01904	0.04779	0.07239	0.06521	0.07669	0.07732
29. Retail	441, 442, 443	0.08253	0.09655	0.04638	0.09950	0.11113	0.03588	0.02989	0.05754	0.14178	0.06058	0.07315	0.06757	0.06261
30. Air Transportation	481	0.00046	0.00052	0.00024	0.00048	0.00051	0.00025	0.00019	0.00031	0.00044	0.00039	0.00044	0.00045	0.00040
31. Water Transportation	483 (Incl. Fer	0.00093	0.00107	0.00035	0.00087	0.00083	0.00042	0.00023	0.00044	0.00065	0.00078	0.00058	0.00051	0.00053
32. Truck Transportation	484	0.00963	0.01420	0.00863	0.01504	0.00905	0.00425	0.00206	0.00331	0.00893	0.01395	0.00945	0.01496	0.01109
33. Other Transportation/Postal Offices	482, 485, 486	0.01199	0.01490	0.00744	0.01067	0.01583	0.00496	0.07699	0.00626	0.00914	0.01344	0.00855	0.01525	0.01695
34. Support Activities for Storage, Transportation &	488, 493	0.00068	0.00055	0.00023	0.00105	0.00043	0.00024	0.00023	0.00019	0.00038	0.00047	0.00046	0.00080	0.00058
35. Software Publishers & Internet Service Provide	5112, 518	0.00053	0.00053	0.00034	0.00050	0.00056	0.00055	0.00022	0.00033	0.00057	0.00051	0.00059	0.00081	0.00064
36. Telecommunications	517	0.00826	0.00920	0.00497	0.00888	0.01005	0.00362	0.00315	0.00769	0.00931	0.00605	0.00738	0.00722	0.00645
37. Other Information	5111, 512, 51	0.01096	0.01212	0.00645	0.01176	0.01195	0.00464	0.00373	0.00759	0.00967	0.00733	0.00892	0.00813	0.00758
38. Credit Intermediation and Related Activities	521, 522	0.15875	0.11582	0.05175	0.07225	0.06913	0.05157	0.05854	0.07489	0.05944	0.05194	0.04539	0.04725	0.03983
39. Other Finance and Insurance	523, 524, 525	0.01302	0.01264	0.00793	0.01404	0.01344	0.00500	0.00509	0.00742	0.00964	0.00727	0.00779	0.00786	0.00700
40. Real Estate and Rental and Leasing	53 except rea	0.07254	0.05155	0.02051	0.03244	0.06655	0.01418	0.01221	0.02417	0.03305	0.02864	0.02866	0.02758	0.02567
41. Legal /Accounting and Bookkeeping /Manager	5411, 5412, 5	0.00529	0.00551	0.00328	0.00623	0.01037	0.00484	0.00276	0.00695	0.00519	0.01007	0.00760	0.00729	0.00763
42. Architectural, Engineering, and Computing Se	5413, 5414, 5	0.00058	0.00052	0.00064	0.00065	0.00164	0.00044	0.00037	0.00159	0.00186	0.00057	0.00084	0.00069	0.00059
43. Educational Services	61	0.00084	0.00102	0.00047	0.00159	0.00102	0.00037	0.00032	0.00059	0.00080	0.00062	0.00076	0.00067	0.00064
44. Ambulatory Health Care Services	621	0.02963	0.03653	0.01713	0.03720	0.03754	0.01359	0.01128	0.02162	0.02952	0.02231	0.02794	0.02475	0.02337
45. Hospitals	622	0.02221	0.02741	0.01284	0.02791	0.02816	0.01019	0.00846	0.01622	0.02215	0.01674	0.02097	0.01857	0.01753
46. Nursing and Residential Care Facilities, Social	623, 624	0.01530	0.01888	0.00885	0.01923	0.01941	0.00702	0.00583	0.01118	0.01526	0.01153	0.01444	0.01279	0.01208
47. Arts, Recreation, and Accommodation	71, 721	0.01317	0.01438	0.00969	0.01342	0.01438	0.00717	0.00565	0.00904	0.01238	0.01010	0.01148	0.01330	0.01103
48. Food Services and Drinking Places	722	0.02950	0.03606	0.01695	0.03647	0.03696	0.01563	0.01134	0.02142	0.02923	0.02227	0.02773	0.02498	0.02341
49. Administrative/Employment Support Services	561	0.00556	0.00498	0.00365	0.00451	0.00555	0.00318	0.00294	0.00451	0.00579	0.00497	0.00773	0.00549	0.00518
50. Waste Management/Other, and Agriculture Se	562, 81, 115	0.21092	0.09961	0.16469	0.05631	0.05518	0.02029	0.02244	0.05613	0.06575	0.05302	0.04464	0.06697	0.05194
Labor income		0.53816	0.66403	0.31108	0.67619	0.68234	0.24697	0.20504	0.39297	0.53656	0.40549	0.50792	0.44987	0.42479
Transpose of Direct Purchases		0.00000	0.00000	0.33074	0.00000	0.00247	1.60402	0.65465	0.12376	2.24696	0.23362	0.00874	7.67314	5.96409
Table 4. WASHINGTON INDIRECT OUTPUT IMPACT (mils. \$02)														
	1. Crop Produ	2. Animal Proc	3. Forestry and	4. Fishing, Hu	5. Mining	6. Electric Utilit	7. Gas Utilities	8. Other Utilit	9. Constructi	10. Food, Be	11. Textiles a	12. Wood Pr	13. Paper Ma	14. Printing
1. Crop Production	0	0	0.000524615	0	1.0232E-05	0.001563902	0.000520468	0.00018817	0.0086917	0.0145715	9.942E-05	0.0198165	0.0116131	0
2. Animal Production	0	0	0.000767888	0	4.87457E-06	0.001167949	0.000390009	0.00014142	0.0036464	0.0183777	2.403E-05	0.0117069	0.0089764	0
3. Forestry and Logging	0	0	0.377962896	0	1.76855E-06	0.000235813	0.000236659	2.7024E-05	0.0046927	0.000225	3.864E-06	1.203329	0.1214701	0
4. Fishing, Hunting, and Trapping	0	0	0.000128161	0	1.87925E-06	0.000472555	0.00015128	5.4558E-05	0.001442	0.0023855	4.973E-06	0.0039686	0.0030396	0
5. Mining	0	0	2.65493E-05	0	0.002467706	0.008339162	0.001738525	1.6946E-05	0.0015083	4.498E-05	1.648E-06	0.0014956	0.0016437	0
6. Electric Utilities	0	0	0.00378358	0	0.000107848	2.038961541	0.004639759	0.00190799	0.0488969	0.0071479	0.000272	0.252423	0.244768	0
7. Gas Utilities	0	0	0.00079839	0	2.37468E-05	0.034645778	0.65606545	0.00064771	0.0094857	0.0017084	5.973E-05	0.0424913	0.0711331	0
8. Other Utilities	0	0	0.000720639	0	7.87351E-06	0.00359908	0.000911045	0.12396808	0.0066633	0.0010247	2.78E-05	0.0236906	0.0211639	0
9. Construction	0	0	0.005808461	0	0.000499159	0.031629799	0.007997696	0.00324634	2.2875361	0.0070895	0.0002054	0.2771545	0.2493266	0
10. Food, Beverage and Tobacco Manufacturing	0	0	0.002681344	0	3.34596E-05	0.008178424	0.002669771	0.00096312	0.025831	0.2767293	9.104E-05	0.0728383	0.0723004	0
11. Textiles and Apparel Mills	0	0	6.76166E-06	0	7.19603E-08	1.42847E-05	5.19859E-06	1.8798E-06	0.0001061	7.525E-06	0.0087714	0.000913	0.0008283	0
12. Wood Product Manufacturing	0	0	0.001615073	0	1.0818E-05	0.00119967	0.00158752	0.00013245	0.0335433	0.0008721	2.036E-05	9.0654669	0.6957875	0
13. Paper Manufacturing	0	0	0.000375254	0	7.14882E-06	0.001305046	0.000449588	0.00016316	0.0055463	0.0038951	3.008E-05	0.0233874	6.425068	0
14. Printing and Related Activities	0	0	5.8803E-05	0	3.86847E-07	0.000102246	3.97551E-05	1.3286E-05	0.0003484	3.834E-05	2.304E-06	0.0012194	0.0007334	0

14. Printing	15. Petroleum	16. Chemicals	17. Nonmetals	18. Primary Metals	19. Fabricated Metal	20. Machinery	21. Computers	22. Electrical	23. Aircraft and	24. Ship and	25. Other Transportation	26. Furniture	27. Other Manufacturing	28. Wholesale	29. Retail	30. Air Transportation	31. Water Transportation	32. Truck Transportation
0.00246	0.00050	0.00308	0.00171	0.00182	0.00196	0.00195	0.00179	0.00153	0.00100	0.00350	0.00131	0.00226	0.00218	0.00213	0.00359	0.00133	0.00142	0.00254
0.00188	0.00035	0.00141	0.00129	0.00135	0.00148	0.00148	0.00136	0.00116	0.00076	0.00267	0.00099	0.00167	0.00167	0.00175	0.00252	0.00103	0.00111	0.00193
0.00138	0.00014	0.00050	0.00099	0.00056	0.00040	0.00057	0.00034	0.00053	0.00013	0.00107	0.00171	0.01200	0.00299	0.00042	0.00042	0.00017	0.00020	0.00046
0.00071	0.00014	0.00055	0.00048	0.00052	0.00057	0.00057	0.00052	0.00044	0.00032	0.00103	0.00039	0.00064	0.00057	0.00059	0.00128	0.00041	0.00049	0.00074
0.00020	0.00019	0.00025	0.00062	0.00057	0.00018	0.00015	0.00014	0.00014	0.00006	0.00021	0.00017	0.00018	0.00018	0.00014	0.00019	0.00008	0.00011	0.00016
0.03148	0.01304	0.03024	0.03982	0.05292	0.02804	0.02286	0.02161	0.02094	0.00818	0.03208	0.02470	0.02701	0.03004	0.02107	0.03203	0.01133	0.01732	0.02372
0.00596	0.00884	0.00925	0.01280	0.01071	0.00577	0.00433	0.00379	0.00388	0.00172	0.00650	0.00508	0.00509	0.00489	0.00470	0.00505	0.00231	0.00476	0.00535
0.00327	0.00129	0.00337	0.00310	0.00425	0.00304	0.00254	0.00229	0.00208	0.00160	0.00429	0.00472	0.00417	0.00319	0.00259	0.00334	0.00148	0.00656	0.00319
0.03750	0.02851	0.03016	0.04245	0.04543	0.03180	0.02516	0.02078	0.02038	0.00874	0.02798	0.00991	0.03640	0.02886	0.01825	0.02943	0.01004	0.01036	0.02088
0.01370	0.00258	0.01150	0.00935	0.00927	0.01014	0.01013	0.00930	0.00797	0.00524	0.01839	0.00694	0.01146	0.01372	0.01241	0.02423	0.00754	0.00821	0.01323
0.00015	0.00001	0.00002	0.00005	0.00002	0.00002	0.00004	0.00002	0.00002	0.00003	0.00014	0.00030	0.00050	0.00019	0.00004	0.00006	0.00001	0.00007	0.00003
0.00729	0.00084	0.00204	0.00658	0.00345	0.00219	0.00349	0.00184	0.00293	0.00062	0.00670	0.01218	0.08656	0.00794	0.00242	0.00228	0.00081	0.00102	0.00247
0.05463	0.00114	0.00435	0.00829	0.00330	0.00351	0.00339	0.00274	0.00529	0.00067	0.00339	0.00513	0.00661	0.00824	0.00257	0.00230	0.00127	0.00106	0.00217
1.00182	0.00006	0.00018	0.00011	0.00013	0.00013	0.00013	0.00012	0.00011	0.00009	0.00022	0.00010	0.00015	0.00012	0.00044	0.00040	0.00008	0.00010	0.00021
0.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00567	0.00248	1.03487	0.00443	0.00175	0.00387	0.00200	0.00300	0.00434	0.00110	0.00300	0.00473	0.00349	0.01960	0.00090	0.00090	0.00043	0.00059	0.00108
0.00099	0.00193	0.00163	1.04038	0.00374	0.00215	0.00252	0.00209	0.00447	0.00030	0.00327	0.00917	0.00257	0.00264	0.00083	0.00114	0.00038	0.00044	0.00079
0.00004	0.00002	0.00004	0.00025	1.00631	0.00432	0.00219	0.00045	0.00275	0.00035	0.00065	0.00408	0.00093	0.00045	0.00006	0.00003	0.00001	0.00005	0.00003
0.00159	0.00075	0.00194	0.00277	0.00277	1.01108	0.01015	0.00324	0.00515	0.00211	0.00497	0.01985	0.00476	0.00355	0.00076	0.00092	0.00116	0.00817	0.00160
0.00295	0.00045	0.00150	0.00119	0.00341	0.00286	1.01911	0.00104	0.00244	0.00049	0.01337	0.01629	0.00085	0.00190	0.00098	0.00073	0.00029	0.00061	0.00079

0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00033	0.00006	0.00022	0.00023	0.00025	0.00028	0.00028	0.00025	0.00022	0.00014	1.00130	0.00018	0.00031	0.00026	0.00028	0.00031	0.00018	0.00975	0.00036
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00013	0.00004	0.00009	0.00011	0.00012	0.00012	0.00017	0.00023	0.00008	0.00005	0.00019	0.00014	1.00236	0.00022	0.00012	0.00016	0.00006	0.00007	0.00012
0.00016	0.00003	0.00016	0.00012	0.00008	0.00011	0.00023	0.00013	0.00024	0.00012	0.00020	0.00063	0.00034	1.00047	0.00011	0.00011	0.00005	0.00005	0.00014
0.06694	0.02963	0.05752	0.04936	0.07622	0.05503	0.06742	0.07785	0.07024	0.01550	0.06127	0.05295	0.06928	0.05353	1.04780	0.03643	0.02334	0.01932	0.04330
0.08923	0.02166	0.06498	0.06226	0.06747	0.07336	0.07615	0.06716	0.05912	0.03901	0.15057	0.06577	0.09430	0.07080	0.07408	1.08323	0.04691	0.05001	0.10572
0.00064	0.00012	0.00036	0.00040	0.00041	0.00049	0.00044	0.00040	0.00032	0.00018	0.00072	0.00039	0.00054	0.00046	0.00044	0.00042	1.00024	0.00037	0.00063
0.00068	0.00029	0.00052	0.00059	0.00078	0.00061	0.00057	0.00052	0.00047	0.00029	0.00101	0.00041	0.00063	0.00054	0.00057	0.00062	0.00054	1.00039	0.00082
0.00768	0.00331	0.00680	0.01873	0.01055	0.00690	0.00679	0.00472	0.00588	0.00163	0.00715	0.01284	0.01027	0.00740	0.00440	0.00623	0.00310	0.00526	1.02598
0.01182	0.02004	0.01119	0.01692	0.01909	0.00950	0.00824	0.00704	0.00761	0.00344	0.01233	0.01075	0.01156	0.01063	0.01802	0.01297	0.00653	0.03885	0.06435
0.00077	0.00025	0.00035	0.00069	0.00044	0.00049	0.00047	0.00047	0.00038	0.00013	0.00060	0.00050	0.00073	0.00050	0.00122	0.00125	0.00732	0.00941	0.00308
0.00081	0.00015	0.00043	0.00068	0.00054	0.00077	0.00074	0.00438	0.00056	0.00087	0.00129	0.00099	0.00104	0.00067	0.00055	0.00077	0.00038	0.00038	0.00057
0.00963	0.00195	0.00588	0.00666	0.00669	0.00799	0.00774	0.00731	0.00580	0.00372	0.01245	0.00526	0.00927	0.00747	0.00897	0.00926	0.00854	0.00646	0.01165
0.01127	0.00209	0.00723	0.00759	0.00824	0.00910	0.00897	0.00835	0.00713	0.00462	0.02158	0.00602	0.01003	0.00863	0.00945	0.01142	0.00619	0.00676	0.01202
0.05888	0.01659	0.03343	0.04831	0.04365	0.05060	0.04400	0.03485	0.03188	0.01668	0.07293	0.03326	0.05618	0.04993	0.05470	0.07188	0.03235	0.03269	0.06543
0.01013	0.00246	0.00622	0.00742	0.00927	0.01065	0.00972	0.00736	0.00714	0.00519	0.01549	0.00758	0.01177	0.00863	0.01083	0.01236	0.00966	0.01906	0.02166
0.03790	0.00807	0.02477	0.02560	0.02472	0.03136	0.02906	0.02895	0.02274	0.01235	0.04119	0.02204	0.03313	0.02886	0.03300	0.04630	0.03832	0.03563	0.03745
0.00839	0.00358	0.01200	0.00803	0.00663	0.00741	0.00869	0.01113	0.00767	0.00368	0.00994	0.01463	0.00842	0.00798	0.00918	0.00808	0.00374	0.00561	0.00692
0.00097	0.00038	0.00139	0.00063	0.00064	0.00075	0.00066	0.00133	0.00050	0.00073	0.00112	0.00076	0.00076	0.00062	0.00060	0.00053	0.00031	0.00032	0.00056
0.00093	0.00017	0.00061	0.00063	0.00069	0.00076	0.00076	0.00070	0.00059	0.00088	0.00138	0.00050	0.00084	0.00072	0.00078	0.00086	0.00050	0.00053	0.00100
0.03388	0.00613	0.02238	0.02312	0.02541	0.02797	0.02792	0.02570	0.02188	0.01468	0.05087	0.01826	0.03097	0.02631	0.02837	0.03089	0.01831	0.01929	0.03670
0.02542	0.00460	0.01679	0.01735	0.01907	0.02098	0.02095	0.01928	0.01642	0.01096	0.03817	0.01370	0.02324	0.01974	0.02128	0.02318	0.01374	0.01447	0.02753
0.01751	0.00317	0.01157	0.01195	0.01314	0.01446	0.01443	0.01328	0.01131	0.00841	0.02630	0.00944	0.01601	0.01360	0.01467	0.01597	0.00947	0.00997	0.01897
0.01786	0.00369	0.00908	0.01131	0.01083	0.01362	0.01224	0.01050	0.00871	0.00521	0.02051	0.00899	0.01535	0.01301	0.01209	0.01292	0.00682	0.00743	0.01360
0.03410	0.00641	0.02214	0.02322	0.02529	0.02801	0.02776	0.02538	0.02162	0.01431	0.05021	0.01832	0.03103	0.02640	0.02822	0.03083	0.02278	0.01900	0.03612
0.00919	0.00246	0.00428	0.00559	0.00688	0.00683	0.00527	0.00524	0.00400	0.00223	0.00789	0.00476	0.00573	0.00494	0.00882	0.00835	0.00753	0.00858	0.01921
0.05657	0.02009	0.04080	0.04992	0.05371	0.04889	0.04286	0.03746	0.03363	0.01767	0.06852	0.03833	0.05729	0.04560	0.04817	0.05274	0.02492	0.05649	0.06647
0.61585	0.11136	0.40682	0.42027	0.46190	0.50837	0.50751	0.46711	0.39772	0.26559	0.92478	0.33180	0.56300	0.47829	0.51567	0.56160	0.33286	0.35061	0.66705
0.00000	0.00000	0.52673	0.01206	0.00336	0.12015	0.07777	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00524	4.02170	0.02580	0.00663	0.00420	0.54040
15. Petroleum	16. Chemicals	17. Nonmetals	18. Primary Metals	19. Fabricated Metal	20. Machinery	21. Computers	22. Electrical	23. Aircraft and	24. Ship and	25. Other Transp	26. Furniture	27. Other Manuf	28. Wholesale	29. Retail	30. Air Transp	31. Water Tr	32. Truck Tr	33. Other Tra
0	0.0016232	2.064E-05	6.107E-06	0.0002359	0.0001514	0	0	0	0	0	6.397E-08	1.14E-05	0.0085557	9.26E-05	8.794E-06	5.956E-06	0.0013712	0.0021363
0	0.0007429	1.556E-05	4.546E-06	0.0001776	0.0001148	0	0	0	0	0	4.724E-08	8.756E-06	0.0070244	6.513E-05	6.804E-06	4.647E-06	0.0010441	0.0016131
0	0.000261	1.194E-05	1.865E-06	4.771E-05	4.431E-05	0	0	0	0	0	3.4E-07	1.563E-05	0.0017092	1.078E-05	1.145E-06	8.551E-07	0.0002469	0.0008148
0	0.0002904	5.821E-06	1.741E-06	6.856E-05	4.412E-05	0	0	0	0	0	1.818E-08	3.006E-06	0.002384	3.312E-05	2.735E-06	2.074E-06	0.0004024	0.0006212
0	0.000131	7.508E-06	1.923E-06	2.159E-05	1.172E-05	0	0	0	0	0	5.004E-09	9.538E-07	0.0005538	4.929E-06	5.045E-07	4.738E-07	8.744E-05	0.0001866
0	0.015928	0.0004801	0.0001778	0.003369	0.0017781	0	0	0	0	0	7.651E-07	0.0001573	0.0847563	0.0008266	7.512E-05	7.279E-05	0.0128207	0.020951
0	0.0048731	0.0001543	3.6E-05	0.0006937	0.0003366	0	0	0	0	0	1.441E-07	2.561E-05	0.0189099	0.0001304	1.533E-05	2.001E-05	0.0028886	0.0048859
0	0.0017776	3.738E-05	1.428E-05	0.0003656	0.0001977	0	0	0	0	0	1.182E-07	1.671E-05	0.0104146	8.622E-05	9.808E-06	2.755E-05	0.0017241	0.0039531
0	0.0158851	0.0005118	0.0001527	0.0038211	0.0019563	0	0	0	0	0	1.031E-06	0.0001511	0.0733877	0.0007595	6.657E-05	4.355E-05	0.0112859	0.0274051
0	0.006059	0.0001127	3.114E-05	0.0012178	0.000788	0	0	0	0	0	3.245E-07	7.184E-05	0.0499209	0.0006252	5.004E-05	3.449E-05	0.0071512	0.0110174
0	8.647E-06	5.787E-07	6.41E-08	2.3E-06	3.172E-06	0	0	0	0	0	1.416E-08	9.702E-07	0.0001563	1.471E-06	7.605E-08	2.817E-07	1.377E-05	2.184E-05
0	0.0010733	7.933E-05	1.159E-05	0.0002627	0.0002718	0	0	0	0	0	2.452E-06	4.155E-05	0.0097212	5.886E-05	5.365E-06	4.29E-06	0.0013355	0.0053239
0	0.0022918	9.993E-05	1.108E-05	0.0004213	0.0002634	0	0	0	0	0	1.872E-07	4.315E-05	0.0103369	5.931E-05	8.438E-06	4.456E-06	0.001173	0.0019375
0	9.505E-05	1.349E-06	4.25E-07	1.531E-05	1.038E-05	0	0	0	0	0	4.206E-09	6.317E-07	0.0017784	1.039E-05	5.201E-07	4.226E-07	0.0001144	0.0001636

0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
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0.00043	0.00053	0.00030	0.00020	0.00028	0.00022	0.00028	0.00020	0.00050	0.00052	0.00033	0.00046	0.00040	0.00044	0.00035	0.00038	0.00046	0.00029	0.00072
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00016	0.00017	0.00014	0.00014	0.00010	0.00010	0.00010	0.00013	0.00017	0.00018	0.00012	0.00017	0.00016	0.00018	0.00021	0.00024	0.00015	0.00015	0.00023
0.00013	0.00013	0.00008	0.00007	0.00008	0.00006	0.00007	0.00006	0.00013	0.00015	0.00012	0.00024	0.00021	0.00018	0.00010	0.00016	0.00013	0.00014	0.00017
0.04765	0.03927	0.03156	0.02148	0.02934	0.01906	0.02143	0.02251	0.04077	0.04262	0.03678	0.04786	0.04517	0.04469	0.03118	0.05507	0.03705	0.03447	0.05215
0.11662	0.11561	0.07834	0.05444	0.07331	0.06115	0.07160	0.05554	0.13013	0.13261	0.08494	0.12245	0.10836	0.11603	0.09117	0.09128	0.11907	0.08944	0.18465
0.00061	0.00069	0.00059	0.00035	0.00053	0.00047	0.00041	0.00031	0.00074	0.00085	0.00053	0.00067	0.00053	0.00063	0.00051	0.00052	0.00078	0.00050	0.00089
0.00098	0.00089	0.00060	0.00040	0.00056	0.00045	0.00055	0.00040	0.00102	0.00164	0.00066	0.00093	0.00082	0.00090	0.00070	0.00070	0.00094	0.00058	0.00144
0.00731	0.00769	0.00363	0.00299	0.00490	0.00264	0.00304	0.00270	0.00614	0.00591	0.00502	0.00605	0.00588	0.00613	0.00528	0.00708	0.00542	0.00559	0.00723
1.02457	0.04858	0.01132	0.00631	0.01641	0.00723	0.00788	0.00620	0.01404	0.01433	0.01264	0.01253	0.01062	0.01253	0.01175	0.01070	0.01456	0.01178	0.01473
0.00177	1.00462	0.00050	0.00025	0.00077	0.00020	0.00030	0.00024	0.00053	0.00055	0.00037	0.00048	0.00046	0.00049	0.00049	0.00043	0.00056	0.00051	0.00056
0.00072	0.00071	1.00148	0.00095	0.00064	0.00074	0.00112	0.00035	0.00131	0.00116	0.00086	0.00070	0.00078	0.00070	0.00066	0.00075	0.00143	0.00082	0.00083
0.01256	0.01257	0.01397	1.04835	0.00982	0.00737	0.01054	0.00634	0.01671	0.01546	0.01128	0.01388	0.01100	0.01293	0.01025	0.00975	0.01588	0.01016	0.01651
0.01401	0.01549	0.01415	0.04892	1.13840	0.00857	0.01022	0.00710	0.02374	0.01945	0.02781	0.01659	0.01356	0.02635	0.01489	0.01468	0.01904	0.01670	0.02255
0.10492	0.06705	0.06173	0.05331	0.05946	1.22033	0.08881	0.08064	0.09058	0.08185	0.05941	0.07497	0.05434	0.06725	0.05988	0.05828	0.07741	0.11534	0.07897
0.01995	0.01609	0.01018	0.00658	0.01021	0.03287	1.08559	0.01015	0.01745	0.01716	0.01147	0.01910	0.01735	0.02183	0.01494	0.01278	0.01639	0.02467	0.01711
0.04938	0.05200	0.04292	0.02716	0.03790	0.02407	0.03343	1.03540	0.05803	0.05421	0.06592	0.05349	0.06978	0.06012	0.04338	0.04942	0.04798	0.04335	0.05673
0.00912	0.00768	0.00962	0.00674	0.01057	0.00699	0.00746	0.00470	1.01220	0.01037	0.00616	0.00926	0.00901	0.00864	0.01146	0.01054	0.00959	0.00783	0.00623
0.00090	0.00071	0.00085	0.00115	0.00066	0.00048	0.00056	0.00053	0.00110	1.00180	0.00127	0.00066	0.00061	0.00066	0.00057	0.00055	0.00083	0.00059	0.00074
0.00118	0.00119	0.00083	0.00055	0.00077	0.00062	0.00076	0.00055	0.00138	0.00141	1.00094	0.00128	0.00111	0.00121	0.00095	0.00090	0.00126	0.00082	0.00198
0.04334	0.04384	0.03037	0.01976	0.02829	0.02266	0.02792	0.02004	0.05100	0.05178	0.03275	1.06548	0.05987	0.04470	0.03484	0.03284	0.04620	0.02925	0.07297
0.03252	0.03289	0.02279	0.01483	0.02122	0.01700	0.02095	0.01504	0.03813	0.03884	0.02457	0.03526	1.03151	0.03348	0.02599	0.02464	0.03463	0.02185	0.05475
0.02241	0.02266	0.01570	0.01022	0.01462	0.01171	0.01443	0.01036	0.02627	0.02676	0.01693	0.02429	0.02102	1.02307	0.01791	0.01697	0.02386	0.01505	0.03773
0.01805	0.01937	0.01970	0.01591	0.03981	0.01728	0.01285	0.01004	0.02593	0.02707	0.01688	0.01990	0.01512	0.01918	1.04181	0.01836	0.02453	0.01792	0.02504
0.04274	0.04324	0.03095	0.01992	0.02831	0.02397	0.02774	0.02026	0.05102	0.05281	0.03311	0.04724	0.04042	0.04525	0.03548	1.03320	0.04687	0.02959	0.07130
0.01343	0.01548	0.01637	0.00668	0.00909	0.00627	0.00840	0.00733	0.01041	0.01658	0.00937	0.01278	0.01147	0.01243	0.01025	0.00657	1.01460	0.01024	0.00621
0.07461	0.09144	0.05410	0.04752	0.04755	0.05141	0.04349	0.05356	0.07803	0.07705	0.06798	0.07216	0.07064	0.07122	0.07010	0.06572	0.07891	1.08139	0.08042
0.78788	0.79682	0.55207	0.35920	0.51414	0.41183	0.50755	0.36431	0.92375	0.94092	0.59535	0.85414	0.73922	0.81114	0.62964	0.59683	0.83895	0.52924	1.32654
0.70915	0.01833	0.02076	0.04413	0.00006	0.40780	0.01541	0.37071	0.33109	0.01662	0.00000	0.00000	0.00000	0.00000	0.14820	0.02791	0.14715	1.38041	13.65731
																		Total
34. Support	35. Software	36. Telecom	37. Other Inf	38. Credit Int	39. Other Fir	40. Real Est	41. Legal /Ac	42. Architect	43. Educatio	44. Ambulat	45. Hospitals	46. Nursing	47. Arts, Rec	48. Food Ser	49. Administ	50. Waste M	PCE/Labor I	Total
5.638E-05	4.389E-05	6.52E-05	1.105E-07	0.0006659	2.959E-05	0.0008242	0.0011654	6.479E-05	1.48E-08	0	0	0	0.0004782	0.0002469	0.0005201	0.0035624	0.0671176	0.1466593
4.376E-05	3.33E-05	4.657E-05	8.438E-08	0.0004942	2.249E-05	0.0003963	0.0008888	4.784E-05	1.361E-08	0	0	0	0.0004012	0.0002494	0.0003574	0.0028294	0.0515995	0.1134363
9.303E-06	1.026E-05	1.76E-05	3.583E-08	0.0001061	3.692E-06	0.0002171	0.0001444	8.228E-06	1.382E-09	0	0	0	7.621E-05	2.886E-05	6.638E-05	0.0005728	0.0074826	1.7200948
1.65E-05	1.303E-05	1.828E-05	3.34E-08	0.0001966	8.69E-06	0.0001541	0.0003431	1.795E-05	4.989E-09	0	0	0	0.0002573	0.0002624	0.0001392	0.0010986	0.0197641	0.0377982
4.703E-06	2.707E-06	6.104E-06	7.831E-09	4.543E-05	1.773E-06	6.986E-05	7.104E-05	3.598E-06	1.06E-09	0	0	0	3.762E-05	6.991E-06	2.84E-05	0.0002457	0.0035393	0.0223549
0.0007024	0.0003981	0.0006958	1.17E-06	0.0057412	0.000259	0.011093	0.0105765	0.0005186	1.604E-07	0	0	0	0.0062163	0.0011972	0.0042162	0.0365341	0.5108087	3.3332605
0.0001972	7.849E-05	0.0002709	2.456E-07	0.0012718	5.309E-05	0.0014488	0.0022632	0.000114	8.457E-08	0	0	0	0.0011986	0.0002284	0.0009443	0.0078358	0.1124146	0.9783482
9.724E-05	5.054E-05	0.0001474	1.374E-07	0.0008416	3.325E-05	0.0013758	0.0012785	6.71E-05	1.197E-07	0	0	0	0.0008807	0.0001542	0.0005858	0.0074865	0.0683358	0.2817365
0.0008547	0.0004158	0.002904	1.216E-06	0.0176197	0.0002742	0.0238898	0.0093612	0.0004314	1.055E-07	0	0	0	0.005999	0.0009355	0.0032838	0.0587352	0.318724	3.4493507
0.0002898	0.0002287	0.0003205	5.91E-07	0.0034182	0.0001535	0.0027114	0.0061328	0.0003191	1.447E-07	0	0	0	0.0034235	0.0031782	0.0024486	0.0177312	0.3511761	0.9309286
5.893E-07	4.177E-07	8.29E-07	1.363E-09	6.58E-06	2.687E-07	6.561E-06	1.085E-05	6.362E-07	1.188E-10	0	0	0	8.034E-06	1.036E-06	5.311E-06	0.0001129	0.0005715	0.0115896
4.861E-05	6.068E-05	0.0001088	2.182E-07	0.0005538	1.661E-05	0.001439	0.0006452	3.923E-05	6.987E-09	0	0	0	0.0004259	0.0001835	0.0003196	0.0030898	0.0307011	9.8560596
5.316E-05	3.671E-05	7.13E-05	3.968E-07	0.0005638	2.07E-05	0.0004358	0.0009289	4.483E-05	8.964E-09	0	0	0	0.0005749	0.0001689	0.0004108	0.0031028	0.0410664	6.524357
4.367E-06	7.153E-06	1.279E-05	2.074E-07	9.549E-05	1.104E-05	4.346E-05	0.0002017	7.224E-06	2.589E-09	0	0	0	7.232E-05	9.109E-06	7.285E-05	0.0008109	0.0033931	0.0094889

WASHINGTON INPUT-OUTPUT MODEL (NAICS)		Grays Harbor Paper 2007						
COMPLEX IMPACT ANALYSIS								
Procedure: This procedure is designed to estimate impacts of industries or activities not identified in the input-output table. The procedure presumes that the output, employment, labor income, and first-round purchases of the activity are known.								
Specify the output, employment, and labor income of the activity in the first, fourth, and fifth columns of Table 1 in the appropriate industry category. Output and labor income are expressed in millions of 2007 dollars. Employment is expressed in number of jobs.								
Specify the first-round purchases in millions of 2007 dollars in the first column of Table 2.								
The total output, employment, and labor income impact on the Washington is shown in Table 7 and Table 8								
Table 1. WASHINGTON DIRECT OUTPUT, EMPLOYMENT, AND LABOR INCOME								
		1	2	3	4	5	6	7
		Output	Deflator	Output		Labor	Income	
		(mils. \$2007)	(2002=1.000)	(mils. \$02)	Employment	Income	Deflator	Income
	NAICS					(mils. \$2007)	(2002=1.000)	(mils. \$02)
1. Crop Production	111	0	1.352	0	0	0	1.138	0
2. Animal Production	112	0	1.409	0	0	0	1.138	0
3. Forestry and Logging	113 (Incl. stat	0	1.061	0	0	0	1.138	0
4. Fishing, Hunting, and Trapping	114	0	1.228	0	0	0	1.138	0
5. Mining	21	0	1.416	0	0	0	1.138	0
6. Electric Utilities	2211 (Incl. pu	0	1.255	0	0	0	1.138	0
7. Gas Utilities	2212 (Incl. pu	0	1.702	0	0	0	1.138	0
8. Other Utilities	2213 (Incl. pu	0	1.275	0	0	0	1.138	0
9. Construction	23	0	1.290	0	0	0	1.138	0
10. Food, Beverage and Tobacco Manufacturing	311, 312	0	1.183	0	0	0	1.138	0
11. Textiles and Apparel Mills	313, 314, 315	0	1.069	0	0	0	1.138	0
12. Wood Product Manufacturing	321	0	1.096	0	0	0	1.138	0
13. Paper Manufacturing	322	94.711	1.156	81.947	210	15.236	1.138	13.392
14. Printing and Related Activities	323	0	1.063	0	0	0	1.138	0
15. Petroleum and Coal Products Manufacturing	324	0	2.628	0	0	0	1.138	0
16. Chemical Manufacturing	325	0	1.288	0	0	0	1.138	0
17. Nonmetallic Mineral Products Manufacturing	327	0	1.209	0	0	0	1.138	0
18. Primary Metal Manufacturing	331	0	1.598	0	0	0	1.138	0
19. Fabricated Metals Manufacturing	332	0	1.199	0	0	0	1.138	0
20. Machinery Manufacturing	333	0	1.133	0	0	0	1.138	0
21. Computer and Electronic Product Manufacturing	334	0	0.793	0	0	0	1.138	0
22. Electrical Equipment Manufacturing	335	0	1.182	0	0	0	1.138	0
23. Aircraft and Parts Manufacturing	3364	0	1.189	0	0	0	1.138	0
24. Ship and Boat Building	3366 (Incl. fec	0	1.204	0	0	0	1.138	0
25. Other Transportation Equipment Manufacturing	3361, 3362, 3	0	1.018	0	0	0	1.138	0
26. Furniture Product Manufacturing	337	0	1.118	0	0	0	1.138	0
27. Other Manufacturing	316, 326, 339	0	1.145	0	0	0	1.138	0

24. Ship and Boat Building	0	1.204	0	0	0								
25. Other Transportation Equipment Manufacturing	0	1.018	0	0	0								
26. Furniture Product Manufacturing	3.1726E-05	1.118	2.74502E-05	3.34973E-07	3.17257E-05								
27. Other Manufacturing	0.00586488	1.145	0.005074509	6.19239E-05	0.005864884								
28. Wholesale	4.50481903	1.184	3.897731308	0.047563772	4.504819028								
29. Retail	0.02890383	1.059	0.025008629	0.000305179	0.028903826								
30. Air Transportation	0.00742946	1.164	0.006428238	7.84434E-05	0.007429462								
31. Water Transportation	0.00470723	1.246	0.004072865	4.97009E-05	0.00470723								
32. Truck Transportation	0.60531699	1.167	0.523742012	0.006391191	0.605316989								
33. Other Transportation/Postal Offices	0.79433367	1.178	0.687286038	0.008386909	0.794333672								
34. Support Activities for Storage, Transportation and Information	0.02053625	1.141	0.0177687	0.00021683	0.020536248								
35. Software Publishers & Internet Service Providers	0.02325318	0.833	0.020119487	0.000245517	0.02325318								
36. Telecommunications	0.04942713	0.985	0.042766133	0.000521872	0.049427134								
37. Other Information	6.2011E-05	1.136	5.36541E-05	6.54738E-07	6.2011E-05								
38. Credit Intermediation and Related Activities	0.45678829	1.008	0.395229642	0.004822963	0.456788289								
39. Other Finance and Insurance	0.01726212	1.195	0.014935808	0.000182261	0.017262121								
40. Real Estate and Rental and Leasing	0.41524845	1.150	0.359287884	0.004384368	0.415248453								
41. Legal /Accounting and Bookkeeping /Management	0.37086656	1.082	0.320887079	0.003915765	0.370866565								
42. Architectural, Engineering, and Computing Services	0.01861388	1.142	0.016105395	0.000196533	0.018613877								
43. Educational Services	4.0517E-06	1.237	3.50568E-06	4.27796E-08	4.0517E-06								
44. Ambulatory Health Care Services	0	1.129	0	0	0								
45. Hospitals	0	1.225	0	0	0								
46. Nursing and Residential Care Facilities, Social Assistance, and Health Care Services	0	1.177	0	0	0								
47. Arts, Recreation, and Accommodation	0.16600384	1.138	0.143632487	0.001752738	0.166003839								
48. Food Services and Drinking Places	0.03126691	1.161	0.027053254	0.000330129	0.03126691								
49. Administrative/Employment Support Services	0.16482682	1.122	0.142614085	0.001740311	0.164826816								
50. Waste Management/Other, and Agriculture Services	1.54623979	1.174	1.33786223	0.016325849	1.546239787								
				0.204795976	19.39646002								

Table 3. WASHINGTON INVERSE MATRIX (Type II)

		1. Crop Production	2. Animal Production	3. Forestry and Logging	4. Fishing, Hunting, and Trapping	5. Mining	6. Electric Utilities	7. Gas Utilities	8. Other Utilities	9. Construction	10. Food, Beverage and Tobacco Manufacturing	11. Textiles and Apparel Mills	12. Wood Product Manufacturing	13. Paper and Allied Product Manufacturing
1. Crop Production	111	1.04452	0.10876	0.00159	0.00361	0.00415	0.00097	0.00080	0.00152	0.00387	0.06237	0.01137	0.00258	0.00195
2. Animal Production	112	0.00324	1.10436	0.00232	0.00223	0.00198	0.00073	0.00060	0.00114	0.00162	0.07866	0.00275	0.00153	0.00151
3. Forestry and Logging	113 (Incl. state)	0.00083	0.00052	1.14278	0.00124	0.00072	0.00015	0.00036	0.00022	0.00209	0.00096	0.00044	0.15682	0.02037
4. Fishing, Hunting, and Trapping	114	0.00064	0.00142	0.00039	1.00078	0.00076	0.00029	0.00023	0.00044	0.00064	0.01021	0.00057	0.00052	0.00051
5. Mining	21	0.00030	0.00028	0.00008	0.00017	1.00074	0.00520	0.00266	0.00014	0.00067	0.00019	0.00019	0.00019	0.00028
6. Electric Utilities	2211 (Incl. public)	0.04621	0.04523	0.01144	0.02109	0.04374	1.27116	0.00709	0.01542	0.02176	0.03060	0.03111	0.03290	0.04104
7. Gas Utilities	2212 (Incl. public)	0.00718	0.00711	0.00241	0.00505	0.00963	0.02160	1.00216	0.00523	0.00422	0.00731	0.00683	0.00554	0.01193
8. Other Utilities	2213 (Incl. public)	0.01996	0.00545	0.00218	0.00377	0.00319	0.00224	0.00139	1.00166	0.00297	0.00439	0.00318	0.00309	0.00355
9. Construction	23	0.05752	0.03898	0.01756	0.05738	0.20243	0.01972	0.01222	0.02623	1.01806	0.03035	0.02348	0.03612	0.04180
10. Food, Beverage and Tobacco Manufacturing	311, 312	0.01123	0.09457	0.00811	0.01760	0.01357	0.00510	0.00408	0.00778	0.01150	1.18451	0.01041	0.00949	0.01212
11. Textiles and Apparel Mills	313, 314, 315	0.00006	0.00003	0.00002	0.00010	0.00003	0.00001	0.00001	0.00002	0.00005	0.00003	1.00304	0.00012	0.00014
12. Wood Product Manufacturing	321	0.00542	0.00274	0.00488	0.00836	0.00439	0.00075	0.00242	0.00107	0.01493	0.00373	0.00233	1.18145	0.11666
13. Paper Manufacturing	322	0.00252	0.00305	0.00113	0.00181	0.00290	0.00081	0.00069	0.00132	0.00247	0.01667	0.00344	0.00305	1.07729
14. Printing and Related Activities	323	0.00023	0.00020	0.00018	0.00016	0.00016	0.00006	0.00006	0.00011	0.00016	0.00016	0.00026	0.00016	0.00012
15. Petroleum and Coal Products Manufacturing	324	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
16. Chemical Manufacturing	325	0.01153	0.00408	0.00078	0.00111	0.00279	0.00035	0.00049	0.00082	0.00193	0.00291	0.01742	0.00300	0.00778
17. Nonmetallic Mineral Products Manufacturing	327	0.00135	0.00123	0.00057	0.00173	0.00454	0.00066	0.00115	0.00135	0.01441	0.00365	0.00132	0.00496	0.00148
18. Primary Metal Manufacturing	331	0.00004	0.00005	0.00002	0.00005	0.00029	0.00002	0.00003	0.00001	0.00014	0.00024	0.00004	0.00007	0.00008
19. Fabricated Metals Manufacturing	332	0.00117	0.00150	0.00053	0.00303	0.00375	0.00046	0.00113	0.00057	0.00567	0.00291	0.00131	0.00315	0.00240
20. Machinery Manufacturing	333	0.00240	0.00159	0.00338	0.00312	0.00515	0.00246	0.00176	0.00038	0.00440	0.00131	0.00061	0.00199	0.00172

21. Computer and Electronic Product Manufacturing	334	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22. Electrical Equipment Manufacturing	335	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
23. Aircraft and Parts Manufacturing	3364	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
24. Ship and Boat Building	3366 (Incl. fer	0.00030	0.00037	0.00017	0.00688	0.00037	0.00014	0.00011	0.00021	0.00029	0.00029	0.00028	0.00024	0.00023
25. Other Transportation Equipment Manufacturing	3361, 3362, 3	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
26. Furniture Product Manufacturing	337	0.00015	0.00014	0.00007	0.00016	0.00029	0.00006	0.00006	0.00009	0.00101	0.00009	0.00010	0.00044	0.00014
27. Other Manufacturing	316, 326, 339	0.00012	0.00013	0.00006	0.00014	0.00016	0.00004	0.00004	0.00006	0.00018	0.00019	0.00013	0.00012	0.00014
28. Wholesale	423	0.05858	0.07040	0.05241	0.06163	0.04465	0.01494	0.01292	0.01904	0.04779	0.07239	0.06521	0.07669	0.07732
29. Retail	441, 442, 443	0.08253	0.09655	0.04638	0.09950	0.11113	0.03588	0.02989	0.05754	0.14178	0.06058	0.07315	0.06757	0.06261
30. Air Transportation	481	0.00046	0.00052	0.00024	0.00048	0.00051	0.00025	0.00019	0.00031	0.00044	0.00039	0.00044	0.00045	0.00040
31. Water Transportation	483 (Incl. Fer	0.00093	0.00107	0.00035	0.00087	0.00083	0.00042	0.00023	0.00044	0.00065	0.00078	0.00058	0.00051	0.00053
32. Truck Transportation	484	0.00963	0.01420	0.00863	0.01504	0.00905	0.00425	0.00206	0.00331	0.00893	0.01395	0.00945	0.01496	0.01109
33. Other Transportation/Postal Offices	482, 485, 486	0.01199	0.01490	0.00744	0.01067	0.01583	0.00496	0.07699	0.00626	0.00914	0.01344	0.00855	0.01525	0.01695
34. Support Activities for Storage, Transportation &	488, 493	0.00068	0.00055	0.00023	0.00105	0.00043	0.00024	0.00023	0.00019	0.00038	0.00047	0.00046	0.00080	0.00058
35. Software Publishers & Internet Service Provide	5112, 518	0.00053	0.00053	0.00034	0.00050	0.00056	0.00055	0.00022	0.00033	0.00057	0.00051	0.00059	0.00081	0.00064
36. Telecommunications	517	0.00826	0.00920	0.00497	0.00888	0.01005	0.00362	0.00315	0.00769	0.00931	0.00605	0.00738	0.00722	0.00645
37. Other Information	5111, 512, 51	0.01096	0.01212	0.00645	0.01176	0.01195	0.00464	0.00373	0.00759	0.00967	0.00733	0.00892	0.00813	0.00758
38. Credit Intermediation and Related Activities	521, 522	0.15875	0.11582	0.05175	0.07225	0.06913	0.05157	0.05854	0.07489	0.05944	0.05194	0.04539	0.04725	0.03983
39. Other Finance and Insurance	523, 524, 525	0.01302	0.01264	0.00793	0.01404	0.01344	0.00500	0.00509	0.00742	0.00964	0.00727	0.00779	0.00786	0.00700
40. Real Estate and Rental and Leasing	53 except rea	0.07254	0.05155	0.02051	0.03244	0.06655	0.01418	0.01221	0.02417	0.03305	0.02864	0.02866	0.02758	0.02567
41. Legal /Accounting and Bookkeeping /Manager	5411, 5412, 5	0.00529	0.00551	0.00328	0.00623	0.01037	0.00484	0.00276	0.00695	0.00519	0.01007	0.00760	0.00729	0.00763
42. Architectural, Engineering, and Computing Se	5413, 5414, 5	0.00058	0.00052	0.00064	0.00065	0.00164	0.00044	0.00037	0.00159	0.00186	0.00057	0.00084	0.00069	0.00059
43. Educational Services	61	0.00084	0.00102	0.00047	0.00159	0.00102	0.00037	0.00032	0.00059	0.00080	0.00062	0.00076	0.00067	0.00064
44. Ambulatory Health Care Services	621	0.02963	0.03653	0.01713	0.03720	0.03754	0.01359	0.01128	0.02162	0.02952	0.02231	0.02794	0.02475	0.02337
45. Hospitals	622	0.02221	0.02741	0.01284	0.02791	0.02816	0.01019	0.00846	0.01622	0.02215	0.01674	0.02097	0.01857	0.01753
46. Nursing and Residential Care Facilities, Social	623, 624	0.01530	0.01888	0.00885	0.01923	0.01941	0.00702	0.00583	0.01118	0.01526	0.01153	0.01444	0.01279	0.01208
47. Arts, Recreation, and Accommodation	71, 721	0.01317	0.01438	0.00969	0.01342	0.01438	0.00717	0.00565	0.00904	0.01238	0.01010	0.01148	0.01330	0.01103
48. Food Services and Drinking Places	722	0.02950	0.03606	0.01695	0.03647	0.03696	0.01563	0.01134	0.02142	0.02923	0.02227	0.02773	0.02498	0.02341
49. Administrative/Employment Support Services	561	0.00556	0.00498	0.00365	0.00451	0.00555	0.00318	0.00294	0.00451	0.00579	0.00497	0.00773	0.00549	0.00518
50. Waste Management/Other, and Agriculture Se	562, 81, 115	0.21092	0.09961	0.16469	0.05631	0.05518	0.02029	0.02244	0.05613	0.06575	0.05302	0.04464	0.06697	0.05194
Labor income		0.53816	0.66403	0.31108	0.67619	0.68234	0.24697	0.20504	0.39297	0.53656	0.40549	0.50792	0.44987	0.42479
Transpose of Direct Purchases		0.00000	0.00000	0.32054	0.00000	0.00239	1.55458	0.63447	0.11995	2.17769	0.22642	0.00848	7.43662	5.78025
Table 4. WASHINGTON INDIRECT OUTPUT IMPACT (mils. \$02)														
	1. Crop Produ	2. Animal Proc	3. Forestry and	4. Fishing, Hu	5. Mining	6. Electric Utilit	7. Gas Utilities	8. Other Utilit	9. Constructi	10. Food, Be	11. Textiles a	12. Wood Pr	13. Paper Ma	14. Printing
1. Crop Production	0	0	0.000508444	0	9.91658E-06	0.001515695	0.000504425	0.00018237	0.0084238	0.0141223	9.636E-05	0.0192056	0.0112552	0
2. Animal Production	0	0	0.000744218	0	4.72431E-06	0.001131948	0.000377987	0.00013706	0.003534	0.0178113	2.329E-05	0.0113461	0.0086998	0
3. Forestry and Logging	0	0	0.366312387	0	1.71403E-06	0.000228544	0.000229364	2.6191E-05	0.0045481	0.000218	3.745E-06	1.166237	0.1177258	0
4. Fishing, Hunting, and Trapping	0	0	0.000124211	0	1.82133E-06	0.000457989	0.000146617	5.2877E-05	0.0013976	0.002312	4.819E-06	0.0038463	0.0029459	0
5. Mining	0	0	2.57309E-05	0	0.00239164	0.008082112	0.001684936	1.6424E-05	0.0014618	4.359E-05	1.598E-06	0.0014495	0.001593	0
6. Electric Utilities	0	0	0.003666953	0	0.000104523	1.976111612	0.004496741	0.00184917	0.0473896	0.0069275	0.0002636	0.2446422	0.2372231	0
7. Gas Utilities	0	0	0.00077378	0	2.30148E-05	0.03357784	0.635842574	0.00062774	0.0091933	0.0016557	5.789E-05	0.0411815	0.0689405	0
8. Other Utilities	0	0	0.000698425	0	7.63081E-06	0.00348814	0.000882962	0.12014683	0.0064579	0.0009931	2.694E-05	0.0229603	0.0205116	0
9. Construction	0	0	0.005629418	0	0.000483773	0.030654827	0.007751172	0.00314627	2.217024	0.006871	0.000199	0.2686113	0.2416412	0
10. Food, Beverage and Tobacco Manufacturing	0	0	0.002598693	0	3.24282E-05	0.007926329	0.002587476	0.00093344	0.0250348	0.2681993	8.824E-05	0.0705931	0.0700717	0
11. Textiles and Apparel Mills	0	0	6.55324E-06	0	6.97422E-08	1.38443E-05	5.03835E-06	1.8218E-06	0.0001029	7.293E-06	0.0085011	0.0008849	0.0008028	0
12. Wood Product Manufacturing	0	0	0.001565289	0	1.04845E-05	0.001162691	0.001538586	0.00012837	0.0325093	0.0008453	1.973E-05	8.7860286	0.6743402	0
13. Paper Manufacturing	0	0	0.000363687	0	6.92846E-06	0.001264819	0.00043573	0.00015813	0.0053753	0.003775	2.915E-05	0.0226665	6.2270186	0
14. Printing and Related Activities	0	0	5.69904E-05	0	3.74923E-07	9.90947E-05	3.85297E-05	1.2876E-05	0.0003376	3.716E-05	2.233E-06	0.0011819	0.0007108	0

0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00033	0.00006	0.00022	0.00023	0.00025	0.00028	0.00028	0.00025	0.00022	0.00014	1.00130	0.00018	0.00031	0.00026	0.00028	0.00031	0.00018	0.00975	0.00036
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00013	0.00004	0.00009	0.00011	0.00012	0.00012	0.00017	0.00023	0.00008	0.00005	0.00019	0.00014	1.00236	0.00022	0.00012	0.00016	0.00006	0.00007	0.00012
0.00016	0.00003	0.00016	0.00012	0.00008	0.00011	0.00023	0.00013	0.00024	0.00012	0.00020	0.00063	0.00034	1.00047	0.00011	0.00011	0.00005	0.00005	0.00014
0.06694	0.02963	0.05752	0.04936	0.07622	0.05503	0.06742	0.07785	0.07024	0.01550	0.06127	0.05295	0.06928	0.05353	1.04780	0.03643	0.02334	0.01932	0.04330
0.08923	0.02166	0.06498	0.06226	0.06747	0.07336	0.07615	0.06716	0.05912	0.03901	0.15057	0.06577	0.09430	0.07080	0.07408	1.08323	0.04691	0.05001	0.10572
0.00064	0.00012	0.00036	0.00040	0.00041	0.00049	0.00044	0.00040	0.00032	0.00018	0.00072	0.00039	0.00054	0.00046	0.00044	0.00042	1.00024	0.00037	0.00063
0.00068	0.00029	0.00052	0.00059	0.00078	0.00061	0.00057	0.00052	0.00047	0.00029	0.00101	0.00041	0.00063	0.00054	0.00057	0.00062	0.00054	1.00039	0.00082
0.00768	0.00331	0.00680	0.01873	0.01055	0.00690	0.00679	0.00472	0.00588	0.00163	0.00715	0.01284	0.01027	0.00740	0.00440	0.00623	0.00310	0.00526	1.02598
0.01182	0.02004	0.01119	0.01692	0.01909	0.00950	0.00824	0.00704	0.00761	0.00344	0.01233	0.01075	0.01156	0.01063	0.01802	0.01297	0.00653	0.03885	0.06435
0.00077	0.00025	0.00035	0.00069	0.00044	0.00049	0.00047	0.00047	0.00038	0.00013	0.00060	0.00050	0.00073	0.00050	0.00122	0.00125	0.00732	0.00941	0.00308
0.00081	0.00015	0.00043	0.00068	0.00054	0.00077	0.00074	0.00438	0.00056	0.00087	0.00129	0.00099	0.00104	0.00067	0.00055	0.00077	0.00038	0.00038	0.00057
0.00963	0.00195	0.00588	0.00666	0.00669	0.00799	0.00774	0.00731	0.00580	0.00372	0.01245	0.00526	0.00927	0.00747	0.00897	0.00926	0.00854	0.00646	0.01165
0.01127	0.00209	0.00723	0.00759	0.00824	0.00910	0.00897	0.00835	0.00713	0.00462	0.02158	0.00602	0.01003	0.00863	0.00945	0.01142	0.00619	0.00676	0.01202
0.05888	0.01659	0.03343	0.04831	0.04365	0.05060	0.04400	0.03485	0.03188	0.01668	0.07293	0.03326	0.05618	0.04993	0.05470	0.07188	0.03235	0.03269	0.06543
0.01013	0.00246	0.00622	0.00742	0.00927	0.01065	0.00972	0.00736	0.00714	0.00519	0.01549	0.00758	0.01177	0.00863	0.01083	0.01236	0.00966	0.01906	0.02166
0.03790	0.00807	0.02477	0.02560	0.02472	0.03136	0.02906	0.02895	0.02274	0.01235	0.04119	0.02204	0.03313	0.02886	0.03300	0.04630	0.03832	0.03563	0.03745
0.00839	0.00358	0.01200	0.00803	0.00663	0.00741	0.00869	0.01113	0.00767	0.00368	0.00994	0.01463	0.00842	0.00798	0.00918	0.00808	0.00374	0.00561	0.00692
0.00097	0.00038	0.00139	0.00063	0.00064	0.00075	0.00066	0.00133	0.00050	0.00073	0.00112	0.00076	0.00076	0.00062	0.00060	0.00053	0.00031	0.00032	0.00056
0.00093	0.00017	0.00061	0.00063	0.00069	0.00076	0.00076	0.00070	0.00059	0.00088	0.00138	0.00050	0.00084	0.00072	0.00078	0.00086	0.00050	0.00053	0.00100
0.03388	0.00613	0.02238	0.02312	0.02541	0.02797	0.02792	0.02570	0.02188	0.01468	0.05087	0.01826	0.03097	0.02631	0.02837	0.03089	0.01831	0.01929	0.03670
0.02542	0.00460	0.01679	0.01735	0.01907	0.02098	0.02095	0.01928	0.01642	0.01096	0.03817	0.01370	0.02324	0.01974	0.02128	0.02318	0.01374	0.01447	0.02753
0.01751	0.00317	0.01157	0.01195	0.01314	0.01446	0.01443	0.01328	0.01131	0.00841	0.02630	0.00944	0.01601	0.01360	0.01467	0.01597	0.00947	0.00997	0.01897
0.01786	0.00369	0.00908	0.01131	0.01083	0.01362	0.01224	0.01050	0.00871	0.00521	0.02051	0.00899	0.01535	0.01301	0.01209	0.01292	0.00682	0.00743	0.01360
0.03410	0.00641	0.02214	0.02322	0.02529	0.02801	0.02776	0.02538	0.02162	0.01431	0.05021	0.01832	0.03103	0.02640	0.02822	0.03083	0.02278	0.01900	0.03612
0.00919	0.00246	0.00428	0.00559	0.00688	0.00683	0.00527	0.00524	0.00400	0.00223	0.00789	0.00476	0.00573	0.00494	0.00882	0.00835	0.00753	0.00858	0.01921
0.05657	0.02009	0.04080	0.04992	0.05371	0.04889	0.04286	0.03746	0.03363	0.01767	0.06852	0.03833	0.05729	0.04560	0.04817	0.05274	0.02492	0.05649	0.06647
0.61585	0.11136	0.40682	0.42027	0.46190	0.50837	0.50751	0.46711	0.39772	0.26559	0.92478	0.33180	0.56300	0.47829	0.51567	0.56160	0.33286	0.35061	0.66705
0.00000	0.00000	0.51049	0.01169	0.00326	0.11644	0.07537	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00507	3.89773	0.02501	0.00643	0.00407	0.52374
15. Petroleum	16. Chemicals	17. Nonmetals	18. Primary Metals	19. Fabricated Metal	20. Machinery	21. Computers	22. Electrical	23. Aircraft and	24. Ship and	25. Other Transportation	26. Furniture	27. Other Manufacture	28. Wholesale	29. Retail	30. Air Transportation	31. Water Transportation	32. Truck Transportation	33. Other Transportation
0	0.0015732	2E-05	5.919E-06	0.0002287	0.0001467	0	0	0	0	0	6.199E-08	1.105E-05	0.008292	8.975E-05	8.523E-06	5.772E-06	0.0013289	0.0020704
0	0.00072	1.508E-05	4.406E-06	0.0001721	0.0001112	0	0	0	0	0	4.579E-08	8.486E-06	0.0068079	6.312E-05	6.595E-06	4.503E-06	0.0010119	0.0015634
0	0.0002529	1.157E-05	1.808E-06	4.624E-05	4.295E-05	0	0	0	0	0	3.295E-07	1.515E-05	0.0016565	1.045E-05	1.11E-06	8.287E-07	0.0002393	0.0007897
0	0.0002814	5.642E-06	1.688E-06	6.644E-05	4.276E-05	0	0	0	0	0	1.762E-08	2.913E-06	0.0023105	3.209E-05	2.651E-06	2.01E-06	0.00039	0.000602
0	0.000127	7.277E-06	1.864E-06	2.093E-05	1.136E-05	0	0	0	0	0	4.849E-09	9.244E-07	0.0005367	4.777E-06	4.889E-07	4.592E-07	8.474E-05	0.0001809
0	0.015437	0.0004653	0.0001724	0.0032652	0.0017233	0	0	0	0	0	7.415E-07	0.0001524	0.0821437	0.0008011	7.28E-05	7.055E-05	0.0124256	0.0203051
0	0.0047229	0.0001496	3.489E-05	0.0006723	0.0003263	0	0	0	0	0	1.397E-07	2.482E-05	0.018327	0.0001263	1.485E-05	1.939E-05	0.0027995	0.0047353
0	0.0017228	3.623E-05	1.384E-05	0.0003543	0.0001916	0	0	0	0	0	1.145E-07	1.619E-05	0.0100936	8.356E-05	9.506E-06	2.67E-05	0.0016709	0.0038313
0	0.0153954	0.0004961	0.000148	0.0037033	0.001896	0	0	0	0	0	9.992E-07	0.0001464	0.0711256	0.0007361	6.452E-05	4.22E-05	0.010938	0.0265604
0	0.0058722	0.0001092	3.018E-05	0.0011803	0.0007637	0	0	0	0	0	3.145E-07	6.963E-05	0.0483821	0.0006059	4.85E-05	3.343E-05	0.0069308	0.0106778
0	8.381E-06	5.609E-07	6.212E-08	2.229E-06	3.074E-06	0	0	0	0	0	1.372E-08	9.403E-07	0.0001514	1.426E-06	7.371E-08	2.73E-07	1.334E-05	2.116E-05
0	0.0010402	7.689E-05	1.123E-05	0.0002546	0.0002634	0	0	0	0	0	2.376E-06	4.027E-05	0.0094216	5.704E-05	5.2E-06	4.158E-06	0.0012943	0.0051597
0	0.0022212	9.685E-05	1.074E-05	0.0004083	0.0002553	0	0	0	0	0	1.814E-07	4.182E-05	0.0100183	5.748E-05	8.178E-06	4.318E-06	0.0011369	0.0018778
0	9.212E-05	1.307E-06	4.119E-07	1.484E-05	1.006E-05	0	0	0	0	0	4.076E-09	6.122E-07	0.0017235	1.007E-05	5.04E-07	4.096E-07	0.0001109	0.0001586

0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00043	0.00053	0.00030	0.00020	0.00028	0.00022	0.00028	0.00020	0.00050	0.00052	0.00033	0.00046	0.00040	0.00044	0.00035	0.00038	0.00046	0.00029	0.00072
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00016	0.00017	0.00014	0.00014	0.00010	0.00010	0.00010	0.00013	0.00017	0.00018	0.00012	0.00017	0.00016	0.00018	0.00021	0.00024	0.00015	0.00015	0.00023
0.00013	0.00013	0.00008	0.00007	0.00008	0.00006	0.00007	0.00006	0.00013	0.00015	0.00012	0.00024	0.00021	0.00018	0.00010	0.00016	0.00013	0.00014	0.00017
0.04765	0.03927	0.03156	0.02148	0.02934	0.01906	0.02143	0.02251	0.04077	0.04262	0.03678	0.04786	0.04517	0.04469	0.03118	0.05507	0.03705	0.03447	0.05215
0.11662	0.11561	0.07834	0.05444	0.07331	0.06115	0.07160	0.05554	0.13013	0.13261	0.08494	0.12245	0.10836	0.11603	0.09117	0.09128	0.11907	0.08944	0.18465
0.00061	0.00069	0.00059	0.00035	0.00053	0.00047	0.00041	0.00031	0.00074	0.00085	0.00053	0.00067	0.00053	0.00063	0.00051	0.00052	0.00078	0.00050	0.00089
0.00098	0.00089	0.00060	0.00040	0.00056	0.00045	0.00055	0.00040	0.00102	0.00164	0.00066	0.00093	0.00082	0.00090	0.00070	0.00070	0.00094	0.00058	0.00144
0.00731	0.00769	0.00363	0.00299	0.00490	0.00264	0.00304	0.00270	0.00614	0.00591	0.00502	0.00605	0.00588	0.00613	0.00528	0.00708	0.00542	0.00559	0.00723
1.02457	0.04858	0.01132	0.00631	0.01641	0.00723	0.00788	0.00620	0.01404	0.01433	0.01264	0.01253	0.01062	0.01253	0.01175	0.01070	0.01456	0.01178	0.01473
0.00177	1.00462	0.00050	0.00025	0.00077	0.00020	0.00030	0.00024	0.00053	0.00055	0.00037	0.00048	0.00046	0.00049	0.00049	0.00043	0.00056	0.00051	0.00056
0.00072	0.00071	1.00148	0.00095	0.00064	0.00074	0.00112	0.00035	0.00131	0.00116	0.00086	0.00070	0.00078	0.00070	0.00066	0.00075	0.00143	0.00082	0.00083
0.01256	0.01257	0.01397	1.04835	0.00982	0.00737	0.01054	0.00634	0.01671	0.01546	0.01128	0.01388	0.01100	0.01293	0.01025	0.00975	0.01588	0.01016	0.01651
0.01401	0.01549	0.01415	0.04892	1.13840	0.00857	0.01022	0.00710	0.02374	0.01945	0.02781	0.01659	0.01356	0.02635	0.01489	0.01468	0.01904	0.01670	0.02255
0.10492	0.06705	0.06173	0.05331	0.05946	1.22033	0.08881	0.08064	0.09058	0.08185	0.05941	0.07497	0.05434	0.06725	0.05988	0.05828	0.07741	0.11534	0.07897
0.01995	0.01609	0.01018	0.00658	0.01021	0.03287	1.08559	0.01015	0.01745	0.01716	0.01147	0.01910	0.01735	0.02183	0.01494	0.01278	0.01639	0.02467	0.01711
0.04938	0.05200	0.04292	0.02716	0.03790	0.02407	0.03343	1.03540	0.05803	0.05421	0.06592	0.05349	0.06978	0.06012	0.04338	0.04942	0.04798	0.04335	0.05673
0.00912	0.00768	0.00962	0.00674	0.01057	0.00699	0.00746	0.00470	1.01220	0.01037	0.00616	0.00926	0.00901	0.00864	0.01146	0.01054	0.00959	0.00783	0.00623
0.00090	0.00071	0.00085	0.00115	0.00066	0.00048	0.00056	0.00053	0.00110	1.00180	0.00127	0.00066	0.00061	0.00066	0.00057	0.00055	0.00083	0.00059	0.00074
0.00118	0.00119	0.00083	0.00055	0.00077	0.00062	0.00076	0.00055	0.00138	0.00141	1.00094	0.00128	0.00111	0.00121	0.00095	0.00090	0.00126	0.00082	0.00198
0.04334	0.04384	0.03037	0.01976	0.02829	0.02266	0.02792	0.02004	0.05100	0.05178	0.03275	1.06548	0.05987	0.04470	0.03484	0.03284	0.04620	0.02925	0.07297
0.03252	0.03289	0.02279	0.01483	0.02122	0.01700	0.02095	0.01504	0.03813	0.03884	0.02457	0.03526	1.03151	0.03348	0.02599	0.02464	0.03463	0.02185	0.05475
0.02241	0.02266	0.01570	0.01022	0.01462	0.01171	0.01443	0.01036	0.02627	0.02676	0.01693	0.02429	0.02102	1.02307	0.01791	0.01697	0.02386	0.01505	0.03773
0.01805	0.01937	0.01970	0.01591	0.03981	0.01728	0.01285	0.01004	0.02593	0.02707	0.01688	0.01990	0.01512	0.01918	1.04181	0.01836	0.02453	0.01792	0.02504
0.04274	0.04324	0.03095	0.01992	0.02831	0.02397	0.02774	0.02026	0.05102	0.05281	0.03311	0.04724	0.04042	0.04525	0.03548	1.03320	0.04687	0.02959	0.07130
0.01343	0.01548	0.01637	0.00668	0.00909	0.00627	0.00840	0.00733	0.01041	0.01658	0.00937	0.01278	0.01147	0.01243	0.01025	0.00657	1.01460	0.01024	0.00621
0.07461	0.09144	0.05410	0.04752	0.04755	0.05141	0.04349	0.05356	0.07803	0.07705	0.06798	0.07216	0.07064	0.07122	0.07010	0.06572	0.07891	1.08139	0.08042
0.78788	0.79682	0.55207	0.35920	0.51414	0.41183	0.50755	0.36431	0.92375	0.94092	0.59535	0.85414	0.73922	0.81114	0.62964	0.59683	0.83895	0.52924	1.32654
0.68729	0.01777	0.02012	0.04277	0.00005	0.39523	0.01494	0.35929	0.32089	0.01611	0.00000	0.00000	0.00000	0.00000	0.14363	0.02705	0.14261	1.33786	13.39217
																		Total
34. Support	35. Software	36. Telecom	37. Other Inf	38. Credit Int	39. Other Fir	40. Real Est	41. Legal /Ac	42. Architect	43. Educatio	44. Ambulat	45. Hospitals	46. Nursing	47. Arts, Rec	48. Food Ser	49. Administ	50. Waste M	PCE/Labor I	Total
5.464E-05	4.254E-05	6.319E-05	1.071E-07	0.0006454	2.868E-05	0.0007988	0.0011294	6.279E-05	1.435E-08	0	0	0	0.0004634	0.0002393	0.0005041	0.0034526	0.0658146	0.1429045
4.241E-05	3.228E-05	4.513E-05	8.178E-08	0.0004789	2.18E-05	0.0003841	0.0008614	4.636E-05	1.319E-08	0	0	0	0.0003889	0.0002417	0.0003464	0.0027422	0.0505977	0.1105284
9.016E-06	9.947E-06	1.706E-05	3.472E-08	0.0001028	3.578E-06	0.0002104	0.00014	7.975E-06	1.339E-09	0	0	0	7.386E-05	2.797E-05	6.433E-05	0.0005551	0.0073374	1.6671591
1.599E-05	1.263E-05	1.771E-05	3.237E-08	0.0001905	8.423E-06	0.0001493	0.0003325	1.739E-05	4.835E-09	0	0	0	0.0002494	0.0002544	0.0001349	0.0010647	0.0193804	0.0368587
4.558E-06	2.623E-06	5.916E-06	7.59E-09	4.403E-05	1.719E-06	6.771E-05	6.885E-05	3.487E-06	1.028E-09	0	0	0	3.646E-05	6.775E-06	2.752E-05	0.0002382	0.0034706	0.0217062
0.0006808	0.0003858	0.0006743	1.134E-06	0.0055642	0.0002511	0.010751	0.0102505	0.0005026	1.555E-07	0	0	0	0.0060247	0.0011603	0.0040862	0.035408	0.5008921	3.2363433
0.0001911	7.607E-05	0.0002625	2.38E-07	0.0012326	5.145E-05	0.0014041	0.0021934	0.0001105	8.197E-08	0	0	0	0.0011617	0.0002213	0.0009152	0.0075943	0.1102322	0.9494738
9.424E-05	4.898E-05	0.0001429	1.332E-07	0.0008156	3.222E-05	0.0013334	0.0012391	6.504E-05	1.16E-07	0	0	0	0.0008535	0.0001495	0.0005678	0.0072558	0.0670092	0.2738319
0.0008284	0.000403	0.0028145	1.178E-06	0.0170766	0.0002658	0.0231534	0.0090726	0.0004181	1.023E-07	0	0	0	0.0058141	0.0009066	0.0031826	0.0569247	0.3125364	3.3466632
0.0002809	0.0002217	0.0003106	5.728E-07	0.0033129	0.0001488	0.0026278	0.0059438	0.0003092	1.402E-07	0	0	0	0.003318	0.0030803	0.0023731	0.0171846	0.3443586	0.9062404
5.712E-07	4.048E-07	8.035E-07	1.321E-09	6.377E-06	2.604E-07	6.358E-06	1.052E-05	6.166E-07	1.151E-10	0	0	0	7.786E-06	1.004E-06	5.148E-06	0.0001094	0.0005604	0.0112389
4.712E-05	5.881E-05	0.0001054	2.115E-07	0.0005367	1.609E-05	0.0013947	0.0006253	3.802E-05	6.772E-09	0	0	0	0.0004128	0.0001778	0.0003098	0.0029946	0.030105	9.552602
5.152E-05	3.557E-05	6.91E-05	3.846E-07	0.0005464	2.006E-05	0.0004223	0.0009003	4.345E-05	8.688E-09	0	0	0	0.0005572	0.0001637	0.0003981	0.0030071	0.0402692	6.3237157
4.233E-06	6.933E-06	1.24E-05	2.01E-07	9.254E-05	1.07E-05	4.212E-05	0.0001954	7.001E-06	2.509E-09	0	0	0	7.009E-05	8.828E-06	7.06E-05	0.0007859	0.0033272	0.0092351

