

ANEXO A

DEMANDAS EN BARRAS Y DESPACHO DE CENTRALES

Demandas Cargas DigSILENT

NOMBRE	UBICACIÓN	MxAve06		MdAve06		MiAve06		MxEst06		MdEst06		MiEst06	
		MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
lod 9oct13	Pe-CostaNorte	0.089	0.044	0.044	0.022	0.021	0.01	0.09	0.045	0.045	0.022	0.021	0.01
lod aban13	Pe-SierraSur	0.075	0.025	0.465	0.155	0.276	0.092	0.076	0.025	0.471	0.157	0.28	0.093
lod acer20	Pe-SierraCentro	11.774	5.705	56.332	27.285	37.342	18.087	11.774	5.705	56.332	27.285	37.342	18.087
lod acers10	Pe-CostaSur	2.5	0.91	5.5	2	5.5	2	2.5	0.91	5.5	2	5.5	2
lod agua23	Pe-SierraCentro	0.506	0.248	0.192	0.096	0.074	0.032	0.512	0.251	0.195	0.097	0.075	0.032
lod alamb	Pe-SierraCentro	9.062	5.01	8.482	5.614	9.894	6.534	9.17	5.07	8.593	5.687	10.039	6.63
lod alto60	Pe-CostaSur	1.614	0.807	1.548	0.747	1.233	0.599	1.633	0.817	1.568	0.756	1.251	0.608
lod altol10	Pe-SierraCentro	8.885	4.302	8.843	4.103	7.411	3.408	8.991	4.354	8.959	4.156	7.519	3.458
lod ancon10	Pe-CostaCentro	4.555	2.01	3.606	1.54	2.898	1.11	4.61	1.87	3.653	1.46	2.941	0.98
lod anda10	Pe-CostaNorte	0.21	0.103	0.433	0.211	0.423	0.212	0.213	0.104	0.439	0.213	0.43	0.215
lod anda23	Pe-CostaNorte	0.053	0.026	0.048	0.024	0.071	0.035	0.053	0.027	0.049	0.024	0.072	0.036
lod anday2	Pe-SierraCentro	0.459	0.007	0.008	0.008	0.021	0	0.465	0.007	0.008	0.008	0.021	0
lod anday4	Pe-SierraCentro	3.697	1.554	2.968	1.554	2.453	1.278	3.741	1.573	3.007	1.575	2.489	1.297
lod andy13	Pe-SierraSur	0.051	0.024	0.31	0.155	0.184	0.092	0.051	0.025	0.314	0.157	0.187	0.093
lod andy23	Pe-SierraSur	0.029	0.014	0.182	0.082	0.105	0.053	0.029	0.014	0.185	0.083	0.107	0.053
lod anta23	Pe-SierraNorte	93	30.57	93	30.57	93	30.57	93	30.57	93	30.57	93	30.57
lod antau23	Pe-SierraSur	0.309	0.154	0.118	0.059	0.022	0.011	0.313	0.156	0.12	0.06	0.022	0.011
lod antuq2.4	Pe-SierraCentro	0.064	0.104	0.025	0.017	0.021	0.021	0.064	0.105	0.025	0.017	0.021	0.021
lod antuq50	Pe-SierraCentro	2.985	2.464	5.589	3.208	7.008	3.71	3.021	2.494	5.662	3.25	7.111	3.765
lod arca33	Pe-SierraSur	1.177	0.565	0.394	0.197	0.329	0.149	1.191	0.572	0.399	0.199	0.333	0.152
lod aren13.8	Pe-CostaNorte	1.379	0.762	3.451	2.152	3.384	2.261	1.395	0.771	3.496	2.18	3.434	2.294
lod ares4	Pe-SierraSur	4.246	2.057	4.984	2.416	6	2.902	4.373	2.119	5.131	2.488	6.624	3.204
lod aric1	Pe-CostaSur	0.461	0	0.497	0	0.84	0	0.467	0	0.504	0	0.852	0
lod aric2	Pe-CostaSur	0.092	0	0.099	0	0.168	0	0.093	0	0.101	0	0.17	0
lod atac04	Pe-SierraCentro	2.507	0.511	2.695	0.504	1.67	0.309	2.537	0.517	2.73	0.511	1.694	0.314
lod atoc10	Pe-CostaCentro	24.31	10.36	44.887	19.12	35.368	15.07	24.31	10.36	44.887	19.12	35.368	15.07
lod auca23	Pe-SierraCentro	0.361	0.17	0.269	0.127	0.138	0.059	0.365	0.172	0.272	0.128	0.14	0.06
lod auca60	Pe-SierraCentro	0.441	0.21	0.301	0.142	0.158	0.079	0.446	0.213	0.304	0.144	0.16	0.08
lod aya10	Pe-SierraCentro	7.148	2.053	5.516	1.587	6.562	1.905	7.234	2.077	5.588	1.608	6.658	1.933
lod aya23	Pe-SierraCentro	0.847	0.406	0.597	0.283	0.677	0.339	0.857	0.411	0.605	0.287	0.687	0.344

lod ayav10	Pe-SierraSur	0.936	0.368	0.361	0.208	0.287	0.169	0.947	0.372	0.366	0.211	0.291	0.171
lod ayav23	Pe-SierraSur	0.442	0.263	0.097	0.056	0.185	0.118	0.447	0.266	0.099	0.056	0.188	0.12
lod azang23	Pe-SierraSur	2.018	0.803	0.271	0.153	0.133	0.076	2.042	0.813	0.275	0.155	0.135	0.077
lod bal10	Pe-CostaCentro	61.434	27.99	58.152	26.49	22.958	10.46	62.171	28.33	58.91	26.84	23.295	10.61
lod barr10	Pe-CostaCentro	38.422	17.5	33.053	15.06	16.188	7.37	38.884	17.71	33.484	15.25	16.425	7.48
lod barsi10	Pe-CostaCentro	28.25	10.96	34.942	13.14	19.161	6.43	28.589	10.21	35.397	12.46	19.442	5.68
lod bconc6	Pe-CostaSur	2.14	0.434	2.52	0.632	2.517	0.734	2.14	0.434	2.52	0.632	2.52	0.735
lod bella2.4	Pe-SierraCentro	0.613	0.118	0.273	0.116	0.206	0.082	0.62	0.12	0.276	0.117	0.209	0.084
lod bot69	Pe-CostaSur	6.62	0	6.62	0	6.62	0	6.62	0	6.62	0	6.62	0
lod boti13	Pe-CostaSur	0	0	0	0	0	0	0	0	0	0	0	0
lod bunio10	Pe-SierraCentro	0.384	0.192	0.155	0.078	0.21	0.105	0.388	0.194	0.157	0.079	0.214	0.107
lod bunio23	Pe-SierraCentro	0.384	0.192	0.124	0.062	0.21	0.105	0.388	0.194	0.126	0.063	0.214	0.107
lod cach10	Pe-SierraSur	1.487	0.718	0.356	0.223	0.417	0.255	1.505	0.727	0.36	0.226	0.423	0.259
lod cach23	Pe-SierraSur	0.924	0.462	0.251	0.139	0.208	0.104	0.935	0.467	0.254	0.141	0.211	0.105
lod cahua1	Pe-CostaNorte	0.31	0.103	0.32	0.107	0.316	0.105	0.314	0.105	0.324	0.108	0.321	0.107
lod cajab10	Pe-CostaNorte	0.408	0.204	0.173	0.086	0.12	0.06	0.413	0.206	0.175	0.087	0.121	0.061
lod cajab23	Pe-CostaNorte	0.408	0.204	0.112	0.052	0.06	0.036	0.413	0.206	0.114	0.052	0.061	0.036
lod cajam10	Pe-CostaNorte	14.452	7.002	6.197	3.003	4.305	2.092	14.626	7.086	6.277	3.042	4.368	2.123
lod call6a	Pe-SierraCentro	0.31	0.103	0.32	0.107	0.316	0.105	0.314	0.105	0.324	0.108	0.321	0.107
lod callah8	Pe-SierraCentro	0.31	0.103	0.32	0.107	0.316	0.105	0.314	0.105	0.324	0.108	0.321	0.107
lod callal23	Pe-SierraSur	0.235	0.118	0.344	0.164	0.269	0.12	0.238	0.119	0.349	0.166	0.273	0.121
lod cang23	Pe-SierraCentro	1.181	0.573	0.801	0.393	0.889	0.423	1.196	0.58	0.812	0.398	0.902	0.43
lod cant10	Pe-CostaCentro	34.496	13.39	21.968	8.26	13.964	4.68	34.91	12.48	22.254	7.83	14.169	4.13
lod caraz13	Pe-CostaNorte	2.92	1.205	1.561	0.644	1.183	0.489	2.955	1.219	1.581	0.652	1.2	0.497
lod carh1	Pe-CostaNorte	0.258	0	0.267	0	0.263	0	0.261	0	0.27	0	0.267	0
lod carh23	Pe-CostaNorte	0.485	0.238	0.917	0.448	0.358	0.169	0.491	0.24	0.929	0.454	0.363	0.171
lod carh60	Pe-CostaNorte	0	0	0	0	0	0	0	0	0	0	0	0
lod carhua13	Pe-SierraCentro	0.134	0.096	0.157	0.074	0.165	0.082	0.136	0.097	0.159	0.075	0.167	0.084
lod carhua23	Pe-SierraCentro	0.402	0.289	0.48	0.231	0.474	0.227	0.407	0.292	0.486	0.235	0.481	0.23
lod carhz13	Pe-CostaNorte	2.388	0.977	1.275	0.524	0.959	0.387	2.417	0.989	1.292	0.531	0.973	0.393
lod carne10	Pe-SierraCentro	1.932	0.933	4.812	2.337	2.3	1.112	1.955	0.944	4.875	2.368	2.334	1.129
lod carp44	Pe-SierraCentro	5.208	1.326	3.822	1.25	3.822	1.25	5.208	1.326	3.822	1.25	3.822	1.25
lod cas12	Pe-SierraCentro	2.206	1.191	1.149	0.471	1.113	0.453	2.232	1.206	1.164	0.477	1.129	0.46
lod cas2.4	Pe-SierraCentro	3.967	1.695	5.399	1.959	6.926	2.515	4.014	1.715	5.469	1.985	7.027	2.552
lod cas4.16	Pe-SierraCentro	0.57	0.148	0.223	0.083	0.247	0.082	0.577	0.15	0.226	0.084	0.251	0.084

lod casf2	Pe-SierraCentro	4.047	3.004	7.771	2.869	5.607	2.082	4.095	3.04	7.873	2.906	5.689	2.112
lod casma10	Pe-CostaNorte	1.798	0.869	0.802	0.387	0.518	0.248	1.819	0.879	0.812	0.393	0.526	0.252
lod casti10	Pe-CostaNorte	0.6	0.291	1.804	0.878	1.117	0.542	0.607	0.295	1.827	0.89	1.134	0.55
lod cauda23	Pe-SierraCentro	1.723	0.835	1.681	0.811	0.318	0.156	1.743	0.845	1.703	0.821	0.323	0.158
lod caudi10	Pe-CostaCentro	27.227	10.57	15.629	5.88	12.327	4.14	27.554	9.85	15.832	5.58	12.508	3.66
lod cayal10	Pe-CostaNorte	0	0	0	0	0	0	0	0	0	0	0	0
lod cayal23	Pe-CostaNorte	0.897	0.431	0.454	0.227	0.212	0.098	0.908	0.436	0.46	0.23	0.215	0.099
lod cayll10	Pe-SierraSur	2.355	1.154	1.084	0.531	0.657	0.299	2.383	1.168	1	0.49	0.8	0.303
lod cañet10	Pe-SierraCentro	13.523	6.558	7.963	3.85	6.581	3.187	13.685	6.636	8.067	3.9	6.677	3.233
lod ccarh2	Pe-SierraCentro	2.817	0.437	1.348	0.38	0.721	0.206	2.851	0.442	1.365	0.385	0.732	0.209
lod cerve10	Pe-CostaSur	2.5	0.91	5	1.81	5	1.81	2.5	0.91	5	1.81	5	1.81
lod cfra2	Pe-SierraCentro	4.499	0.866	3.158	0.992	3.896	1.216	4.553	0.876	3.199	1.005	3.953	1.234
lod chal10	Pe-CostaSur	10.013	4.262	5.862	2.493	2.845	1.122	10.133	4.313	5.938	2.525	2.887	1.139
lod chalh10	Pe-SierraSur	0.029	0.014	0.182	0.082	0.105	0.053	0.029	0.014	0.185	0.083	0.107	0.053
lod chalh23	Pe-SierraSur	0.051	0.024	0.31	0.155	0.184	0.092	0.051	0.025	0.314	0.157	0.187	0.093
lod chan10	Pe-CostaCentro	5.27	2.33	3.746	1.61	3.196	1.22	5.333	2.17	3.795	1.53	3.243	1.08
lod chapr2	Pe-SierraCentro	0.291	0.155	0.694	0.339	0.68	0.33	0.295	0.157	0.704	0.343	0.69	0.335
lod chava10	Pe-CostaCentro	64.174	24.91	52.864	19.89	27.333	9.17	64.944	23.2	53.553	18.86	27.734	8.1
lod chavg3	Pe-CostaSur	0.122	0	0.106	0	0.071	0	0.124	0	0.107	0	0.072	0
lod chicl10	Pe-CostaNorte	20.899	10.115	17.638	8.547	10.793	5.217	21.15	10.237	17.867	8.658	10.951	5.294
lod chicn10	Pe-CostaNorte	22.622	10.956	15.142	7.337	8.04	3.89	22.894	11.087	15.339	7.432	8.158	3.947
lod chicro4	Pe-SierraCentro	1.521	0.311	1.893	0.355	2.329	0.433	1.539	0.315	1.918	0.36	2.363	0.439
lod chil10	Pe-CostaSur	14.776	7.156	8.65	4.193	4.2	2.033	14.953	7.242	8.763	4.248	4.262	2.063
lod chilca10	Pe-CostaCentro	2.427	1.1	1.539	0.7	0.829	0.38	2.457	1.12	1.56	0.71	0.841	0.39
lod chilet10	Pe-CostaNorte	0.272	0.136	0.069	0.035	0.048	0.024	0.275	0.138	0.07	0.035	0.049	0.024
lod chilet23	Pe-CostaNorte	0.272	0.136	0.06	0.026	0.036	0.012	0.275	0.138	0.061	0.026	0.036	0.012
lod chim13a	Pe-CostaNorte	3.035	1.487	3.012	1.461	1.18	0.555	3.071	1.505	3.051	1.481	1.197	0.563
lod chin13	Pe-CostaNorte	7.188	3.481	4.339	2.102	2.76	1.335	7.274	3.523	4.395	2.13	2.8	1.355
lod chinch10	Pe-SierraCentro	12.34	5.979	8.8	4.262	7.014	3.394	12.488	6.051	8.915	4.318	7.117	3.444
lod chis13	Pe-CostaNorte	16.351	7.92	12.077	5.85	9.857	4.771	16.547	8.015	12.234	5.926	10.001	4.841
lod chorr10	Pe-CostaCentro	28.873	12.29	24.398	10.39	15.019	6.4	29.219	12.44	24.716	10.52	15.239	6.49
lod chosi10	Pe-SierraCentro	5.406	2.618	3.707	1.798	2.902	1.409	5.471	2.649	3.755	1.821	2.945	1.429
lod chucu23	Pe-SierraSur	3.297	1.615	0.793	0.378	0.744	0.372	3.336	1.635	0.803	0.383	0.755	0.377
lod chul10	Pe-CostaNorte	1.482	0.723	0.53	0.253	0.31	0.144	1.499	0.732	0.537	0.256	0.314	0.146
lod chul23	Pe-CostaNorte	1.676	0.811	0.506	0.245	0.277	0.133	1.696	0.821	0.513	0.248	0.281	0.135

lod chum12	Pe-SierraCentro	2.053	0.148	0.521	0.165	0.557	0.165	2.078	0.15	0.528	0.168	0.565	0.167
lod chum2	Pe-SierraCentro	2.393	0.844	1.191	0.728	0.639	0.392	2.422	0.854	1.206	0.737	0.648	0.397
lod chuq10	Pe-SierraSur	0.029	0.014	0.182	0.082	0.105	0.053	0.029	0.014	0.185	0.083	0.107	0.053
lod chuq23	Pe-SierraSur	0.051	0.024	0.31	0.155	0.184	0.092	0.051	0.025	0.314	0.157	0.187	0.093
lod cien10	Pe-CostaCentro	9.26	2.95	8.261	3.11	3.979	1.34	9.371	2.98	8.369	3.15	4.037	1.36
lod cnor4.16	Pe-SierraCentro	0.08	0.059	0.124	0.025	0.103	0.021	0.081	0.06	0.126	0.025	0.105	0.021
lod cnor50	Pe-SierraCentro	0.099	0.074	0.455	0.083	0.557	0.103	0.1	0.075	0.461	0.084	0.565	0.105
lod cobri10	Pe-SierraCentro	10.359	5.418	11.66	6.097	9.102	4.741	10.483	5.483	11.812	6.177	9.235	4.811
lod cobri4	Pe-SierraCentro	4.439	2.327	4.997	2.609	3.895	2.032	4.493	2.355	5.062	2.643	3.952	2.062
lod colan4.8	Pe-CostaNorte	0.096	0.049	0.04	0.042	0.062	0.049	0.098	0.05	0.04	0.042	0.063	0.05
lod comba24	Pe-SierraSur	1.471	0.832	0.255	0.157	0.332	0.203	1.489	0.842	0.258	0.159	0.337	0.206
lod conce13	Pe-SierraCentro	4.582	2.215	0.622	0.303	0.15	0.072	4.637	2.242	0.63	0.307	0.153	0.073
lod cond44	Pe-SierraCentro	11.592	2.95	15.678	5.15	15.678	5.15	11.592	2.95	15.678	5.15	15.678	5.15
lod const23	Pe-CostaNorte	2.395	1.164	1.075	0.515	0.666	0.309	2.424	1.178	1.089	0.521	0.676	0.314
lod cpato1	Pe-CostaNorte	0.516	0	0.533	0	0.527	0	0.523	0	0.54	0	0.534	0
lod cpied12	Pe-SierraCentro	4.588	2.361	3.34	2.257	2.412	1.628	4.643	2.389	3.384	2.286	2.447	1.652
lod ctumb33	Pe-CostaNorte	3.716	1.791	3.279	1.595	2.34	1.17	3.76	1.812	3.321	1.616	2.375	1.187
lod curip50	Pe-SierraCentro	0.458	0.252	0.19	0.116	0.206	0.124	0.464	0.255	0.193	0.117	0.209	0.125
lod cverd23	Pe-SierraCentro	0.198	0.099	0.69	0.326	0.382	0.191	0.2	0.1	0.699	0.33	0.388	0.194
lod cypru10	Pe-CostaSur	43.331	0	44.282	6.311	45.867	9.315	43.851	0	44.859	6.393	46.539	9.452
lod dolor11	Pe-SierraSur	25.605	12.399	16.658	8.065	8.079	3.911	25.912	12.548	16.875	8.171	8.198	3.968
lod duvaz50	Pe-SierraCentro	1.577	0.326	1.273	0.298	0.783	0.186	1.596	0.33	1.29	0.302	0.795	0.188
lod emusa10	Pe-CostaCentro	1.432	0.7	1.909	0.93	0.448	0.21	1.449	0.7	1.934	0.94	0.455	0.21
lod enapu10	Pe-CostaCentro	1.745	0.77	2.309	0.99	1.236	0.47	1.766	0.72	2.339	0.94	1.255	0.42
lod ep10	Pe-CostaCentro	0.481	0.24	0.636	0.31	0.149	0.08	0.487	0.24	0.645	0.31	0.152	0.08
lod exc2.4	Pe-SierraCentro	0.922	0.636	0.546	0.347	0.598	0.371	0.933	0.644	0.553	0.352	0.607	0.376
lod expd2.4	Pe-SierraCentro	0.69	0.067	0.116	0.058	0.062	0.041	0.699	0.067	0.117	0.059	0.063	0.042
lod fun416	Pe-CostaSur	0	0	0	0	0	0	0	0	0	0	0	0
lod galv10	Pe-CostaCentro	50.336	21.45	52.508	22.38	16.319	6.95	50.94	21.71	53.192	22.67	16.559	7.06
lod goyllar	Pe-SierraCentro	0.301	0.059	0.05	0.017	0.041	0.021	0.305	0.06	0.05	0.017	0.042	0.021
lod hchip10	Pe-CostaCentro	15.624	5.06	19.533	9.4	12.632	4.25	15.811	5.12	19.787	9.52	12.817	4.32
lod hcho10	Pe-CostaNorte	12.748	5.434	9.485	4.046	6.563	2.799	12.901	5.499	9.609	4.098	6.659	2.84
lod huam30	Pe-CostaCentro	0	0	0	0	0	0	0	0	0	0	0	0
lod huant10	Pe-SierraCentro	1.396	0.68	0.849	0.409	0.889	0.423	1.413	0.688	0.86	0.414	0.902	0.43
lod huanu10	Pe-SierraCentro	10.785	2.494	2.947	1.424	3.529	1.714	10.915	2.524	2.986	1.443	3.581	1.739

lod huanu23	Pe-SierraCentro	3.16	0.731	0.655	0.32	0.694	0.326	3.198	0.739	0.664	0.324	0.704	0.331
lod huanz10	Pe-SierraCentro	1.033	0.496	1.003	0.491	0.822	0.4	1.045	0.502	1.016	0.497	0.834	0.406
lod huarl10	Pe-CostaCentro	9.579	3.71	8.39	3.16	6.868	2.3	9.694	3.46	8.499	3	6.969	2.03
lod huarm10	Pe-CostaNorte	1.115	0.538	0.612	0.297	0.328	0.159	1.128	0.544	0.62	0.301	0.333	0.161
lod huaron	Pe-SierraCentro	6.032	1.421	4.324	1.48	4.061	1.381	6.105	1.438	4.38	1.499	4.12	1.401
lod huarz13	Pe-CostaNorte	5.71	2.345	4.6	1.895	3.426	1.407	5.779	2.373	4.66	1.919	3.476	1.428
lod huayu10	Pe-SierraCentro	3.776	1.824	1.492	0.723	1.079	0.525	3.822	1.846	1.512	0.732	1.095	0.533
lod huicra2	Pe-SierraCentro	0.473	0.178	0.513	0.157	0.268	0.082	0.479	0.18	0.519	0.159	0.272	0.084
lod huin1	Pe-CostaCentro	0.413	0.1	0.427	0.11	0.421	0.11	0.418	0.11	0.432	0.11	0.428	0.11
lod hveli10	Pe-SierraCentro	2.806	1.358	1.647	0.792	1.022	0.488	2.839	1.374	1.668	0.803	1.037	0.495
lod ica10	Pe-CostaCentro	9.488	4.593	9.134	4.418	6.389	3.098	9.602	4.648	9.253	4.475	6.482	3.144
lod ican10	Pe-SierraCentro	11.147	5.401	12.621	6.116	8.257	3.997	11.281	5.466	12.785	6.196	8.378	4.055
lod ilave10	Pe-SierraSur	0.341	0.165	0	0	0	0	0.345	0.167	0	0	0	0
lod ilave23	Pe-SierraSur	0.874	0.423	0.338	0.164	0.341	0.164	0.885	0.429	0.342	0.166	0.346	0.167
lod illimo10	Pe-CostaNorte	1.184	0.574	0.897	0.441	0.538	0.259	1.198	0.581	0.909	0.447	0.546	0.263
lod illimo23	Pe-CostaNorte	0.738	0.363	0.338	0.162	0.179	0.08	0.747	0.368	0.343	0.164	0.182	0.081
lod ilo10	Pe-CostaSur	6.687	0	4.495	0.639	2.412	0.346	6.768	0	4.553	0.647	2.447	0.351
lod ilotg1	Pe-CostaSur	0.478	0	0.56	0	0.509	0	0.484	0	0.568	0	0.516	0
lod ilotg2	Pe-CostaSur	0.478	0	0.56	0	0.509	0	0.484	0	0.568	0	0.516	0
lod ilotv1	Pe-CostaSur	0.89	0	0.695	0.101	0.682	0.142	0.9	0	0.704	0.102	0.692	0.145
lod ilotv2	Pe-CostaSur	1.301	0.431	2.679	0.975	2.493	0.906	1.317	0.436	2.714	0.988	2.53	0.919
lod ilotv3	Pe-CostaSur	0.478	0	0.56	0	0.509	0	0.484	0	0.568	0	0.516	0
lod ilotv4	Pe-CostaSur	0.478	0	0.56	0	0.509	0	0.484	0	0.568	0	0.516	0
lod ind10a	Pe-CostaCentro	0.533	0.253	2.127	1.021	0.296	0.148	0.539	0.256	2.155	1.034	0.301	0.15
lod indus10	Pe-CostaCentro	6.652	2.94	14.034	6	3.227	1.23	6.732	2.74	14.217	5.69	3.274	1.09
lod infan10	Pe-CostaCentro	53.575	20.79	39.469	14.84	23.911	8.02	54.219	19.37	39.983	14.07	24.262	7.09
lod inge23	Pe-SierraCentro	0.559	0.268	0.203	0.098	0.034	0.017	0.566	0.272	0.205	0.099	0.034	0.017
lod ipen10	Pe-CostaCentro	0.082	0.03	0.056	0.02	0.099	0.03	0.083	0.03	0.057	0.02	0.101	0.03
lod jauja13	Pe-SierraCentro	3.418	1.657	1.808	0.875	0.766	0.372	3.459	1.677	1.832	0.887	0.777	0.378
lod jesus10	Pe-CostaSur	17.401	8.426	8.017	3.876	4.151	2.012	17.61	8.527	8.121	3.927	4.212	2.041
lod jica10	Pe-CostaCentro	13.092	4.32	6.637	2.13	5.422	1.55	13.249	4.03	6.723	2.02	5.502	1.37
lod junin	Pe-SierraCentro	0.494	0.222	0.496	0.207	0.515	0.227	0.5	0.225	0.503	0.209	0.523	0.23
lod lafund	Pe-SierraCentro	3.88	0.918	3.241	1.066	4.143	1.36	3.927	0.929	3.283	1.08	4.204	1.38
lod lamba10	Pe-CostaNorte	3.305	1.606	3.045	1.471	1.792	0.876	3.345	1.625	3.085	1.49	1.818	0.889
lod lapa13	Pe-CostaNorte	0.25	0.119	0.298	0.143	0.204	0.102	0.253	0.121	0.302	0.145	0.207	0.103

lod laza10	Pe-CostaSur	12.797	6.203	7.489	3.633	3.643	1.765	12.951	6.278	7.586	3.681	3.696	1.791
lod lima10	Pe-CostaCentro	75.394	33.02	80.462	43.26	20.27	8.1	76.299	36.68	81.51	43.82	20.567	8.22
lod lixi14	Pe-CostaSur	11.3	0	11	1.567	10.91	2.214	11.3	0	11	1.567	10.91	2.214
lod luri10	Pe-CostaCentro	12.607	4.9	11.858	5.08	9.238	3.2	12.758	4.96	12.013	5.14	9.374	3.25
lod mach1	Pe-SierraSur	0.568	0.186	0.523	0.171	0.179	0.063	0.575	0.188	0.53	0.173	0.182	0.064
lod mach10	Pe-SierraSur	0.752	0.239	0.795	0.252	0.911	0.289	0.761	0.241	0.805	0.255	0.925	0.293
lod macha23	Pe-SierraCentro	0.227	0.107	0.173	0.079	0.169	0.085	0.229	0.109	0.175	0.08	0.172	0.086
lod mahrt2	Pe-SierraCentro	2.961	1.206	2.199	1.149	1.587	0.825	2.996	1.221	2.228	1.164	1.61	0.837
lod majes10	Pe-CostaSur	1.076	0.538	0.382	0.182	0.317	0.141	1.089	0.544	0.387	0.185	0.322	0.143
lod mala10	Pe-CostaCentro	8.134	3.47	6.065	2.49	4.294	1.76	8.134	3.47	6.065	2.49	4.294	1.76
lod malacas	Pe-CostaNorte	5.68	2.748	4.901	2.376	4.422	2.139	5.748	2.781	4.965	2.406	4.487	2.171
lod malpa50	Pe-SierraCentro	0	0	0	0	0	0	0	0	0	0	0	0
lod manc10	Pe-CostaNorte	0.939	0.451	0.439	0.211	0.399	0.181	0.95	0.456	0.445	0.213	0.405	0.184
lod manc23	Pe-CostaNorte	1.24	0.601	0.948	0.456	0.87	0.399	1.255	0.608	0.96	0.462	0.883	0.405
lod maran10	Pe-CostaCentro	35.184	13.65	32.833	12.35	15.069	5.05	35.606	12.72	33.26	11.71	15.29	4.46
lod mat12a	Pe-SierraCentro	0.31	0.103	0.32	0.107	0.316	0.105	0.314	0.105	0.324	0.108	0.321	0.107
lod mayup	Pe-SierraCentro	0.491	0.192	0.19	0.074	0.186	0.082	0.497	0.195	0.193	0.075	0.188	0.084
lod mcarh2	Pe-SierraCentro	1.072	0.333	0.918	0.339	0.763	0.268	1.085	0.337	0.93	0.343	0.774	0.272
lod mepsa10	Pe-CostaCentro	2.045	0.67	12.55	4.13	11.207	3.69	2.045	0.67	12.55	4.13	11.207	3.69
lod merc33	Pe-CostaNorte	0.651	0.314	0.538	0.262	0.411	0.206	0.659	0.318	0.545	0.265	0.417	0.209
lod mills11	Pe-CostaSur	3.94	0	2.85	0.407	4.09	0.831	3.985	0	2.9	0.414	4.15	0.842
lod mills14	Pe-CostaSur	5.87	0	5.72	0.815	5.67	1.151	5.874	0	5.72	0.815	5.67	1.151
lod milpo13	Pe-SierraCentro	4.232	0.422	4.076	0.413	2.948	0.289	4.283	0.427	4.129	0.419	2.991	0.293
lod miron10	Pe-CostaCentro	59.985	23.28	61.334	23.07	33.819	11.35	60.705	21.69	62.133	21.88	34.314	10.03
lod moll33	Pe-CostaSur	5.347	1.759	3.398	1.119	3.549	1.16	5.411	1.78	3.443	1.134	3.601	1.177
lod moll66	Pe-CostaSur	0.888	0.435	0.565	0.277	0.603	0.278	0.899	0.44	0.572	0.281	0.612	0.282
lod moly33	Pe-CostaSur	2.58	0.93	5.67	2.06	5.67	2.06	2.58	0.93	5.67	2.06	5.67	2.06
lod moq10	Pe-CostaSur	1.594	0.63	0.677	0.383	0.387	0.22	1.613	0.638	0.686	0.388	0.392	0.223
lod moqu13.8	Pe-CostaSur	3.12	1.026	2.68	0.881	1.64	0.539	3.16	1.039	2.72	0.894	1.66	0.546
lod mor2.4	Pe-SierraCentro	1.618	0.496	1.372	0.43	0.742	0.227	1.637	0.502	1.39	0.436	0.753	0.23
lod moro50	Pe-SierraCentro	2.446	0.192	0.57	0.066	0.515	0.062	2.475	0.195	0.578	0.067	0.523	0.063
lod motil35	Pe-CostaNorte	9.506	3.447	6.78	2.454	6.102	2.214	9.621	3.488	6.868	2.486	6.192	2.246
lod motup10	Pe-CostaNorte	1.922	0.692	2.251	0.809	1.135	0.418	1.945	0.7	2.28	0.82	1.152	0.424
lod moyo1	Pe-SierraCentro	0.31	0.103	0.32	0.107	0.316	0.105	0.314	0.105	0.324	0.108	0.321	0.107
lod mrico10	Pe-CostaCentro	20.227	7.4	17.998	7.31	5.751	2.23	20.47	7.48	18.233	7.4	5.835	2.26

lod mrico23	Pe-CostaCentro	9.588	2.41	9.461	2.7	1.032	0.26	9.703	2.44	9.584	2.73	1.047	0.27
lod nana10	Pe-CostaCentro	18.069	7.43	13.413	5.98	8.672	3.14	18.286	7.52	13.587	6.05	8.799	3.19
lod nara10	Pe-CostaCentro	23.106	10.19	22.561	9.65	11.09	4.22	23.383	9.49	22.854	9.15	11.253	3.73
lod nazca10	Pe-SierraCentro	4.241	2.054	1.895	0.917	2.946	1.42	4.292	2.078	1.92	0.928	2.989	1.441
lod nepe13	Pe-CostaNorte	0.929	0.451	0.414	0.199	0.27	0.128	0.94	0.456	0.42	0.202	0.274	0.13
lod olmos10	Pe-CostaNorte	0.234	0.117	0.103	0.044	0.06	0.02	0.237	0.119	0.104	0.045	0.061	0.02
lod onu50	Pe-SierraCentro	2.867	1.117	1.29	0.628	1.422	0.68	2.901	1.131	1.307	0.637	1.443	0.69
lod oquen10	Pe-CostaCentro	22.098	8.58	27.441	10.32	19.851	6.66	22.363	7.99	27.799	9.79	20.142	5.88
lod oroy50	Pe-SierraCentro	0.687	0.303	0.835	0.339	0.969	0.392	0.695	0.307	0.846	0.343	0.983	0.397
lod oxa23	Pe-SierraCentro	1.092	0.362	0.305	0.145	0.306	0.143	1.105	0.366	0.309	0.147	0.31	0.145
lod oxa60	Pe-SierraCentro	0.364	0.121	0.099	0.046	0.102	0.041	0.368	0.122	0.1	0.046	0.103	0.041
lod p_exis	Pe-CostaNorte	15.142	5.496	34.66	12.576	33.72	12.235	15.142	5.496	34.66	12.576	33.72	12.235
lod paca6a	Pe-CostaNorte	5.42	2.93	5.42	2.93	5.2	3.24	5.42	2.93	5.42	2.93	5.2	3.24
lod paca6b	Pe-CostaNorte	4.52	2.44	4.52	2.44	4.2	2.7	4.52	2.44	4.52	2.44	4.2	2.7
lod pacas10	Pe-CostaNorte	2.938	1.198	2.016	0.831	1.57	0.644	2.973	1.213	2.042	0.841	1.593	0.654
lod pacha10	Pe-CostaCentro	9.922	4.11	5.331	2.96	3.838	1.77	10.041	4.16	5.4	2.99	3.894	1.8
lod pacha50	Pe-SierraCentro	0.268	4.973	12.046	5.382	12.677	5.668	0.271	5.032	12.202	5.452	12.863	5.752
lod pachyo69	Pe-SierraCentro	0.219	0.074	0.074	0.033	0.082	0.021	0.222	0.075	0.075	0.034	0.084	0.021
lod pacif10	Pe-CostaCentro	1.171	0.57	6.313	2.7	5.439	2.08	1.185	0.49	6.395	2.56	5.519	1.84
lod paita10	Pe-CostaNorte	9.253	1.621	8.365	1.914	7.035	0.951	9.364	1.64	8.474	1.939	7.138	0.965
lod paita60	Pe-CostaNorte	6.588	2.776	7.887	3.293	6.067	2.443	6.667	2.809	7.989	3.336	6.156	2.479
lod pajue23	Pe-CostaNorte	35.968	5.125	35.968	5.123	33.98	4.84	35.968	5.125	35.968	5.123	33.98	4.84
lod pall10	Pe-CostaNorte	0.174	0.087	0.608	0.298	0.428	0.204	0.176	0.088	0.616	0.302	0.435	0.207
lod pall23	Pe-CostaNorte	0.597	0.293	0.274	0.131	0.204	0.102	0.604	0.297	0.278	0.133	0.207	0.103
lod palp10	Pe-SierraCentro	1.056	0.499	0.357	0.171	0.526	0.263	1.068	0.505	0.362	0.173	0.534	0.267
lod palp23	Pe-SierraCentro	2.936	1.42	2.128	1.025	2.42	1.157	2.972	1.437	2.156	1.039	2.455	1.174
lod pamp10	Pe-SierraCentro	0.143	0.072	0.126	0.063	0.169	0.085	0.145	0.072	0.127	0.064	0.172	0.086
lod pamp33	Pe-SierraCentro	0.585	0.286	0.959	0.456	1.016	0.508	0.592	0.29	0.971	0.462	1.031	0.515
lod pampi4	Pe-CostaCentro	6.816	2.65	8.46	3.18	6.114	2.05	6.897	2.46	8.57	3.02	6.204	1.81
lod pando10	Pe-CostaCentro	40.858	15.86	35.314	13.28	19.258	6.46	41.349	14.77	35.774	12.6	19.54	5.71
lod panta13	Pe-CostaNorte	1.735	0.631	1.749	0.633	2.004	0.725	1.735	0.631	1.749	0.633	2.004	0.725
lod parac10	Pe-SierraCentro	1.071	0.527	0.527	0.249	0.465	0.232	1.084	0.533	0.534	0.253	0.472	0.236
lod parac23	Pe-SierraCentro	1.018	0.492	0.499	0.236	0.439	0.207	1.031	0.498	0.505	0.239	0.445	0.21
lod parag12	Pe-SierraCentro	17.28	3.115	15.344	3.117	12.718	2.577	17.487	3.153	15.544	3.157	12.904	2.614
lod pauc10	Pe-SierraSur	3.485	1.679	0.976	0.474	0.779	0.364	3.527	1.7	0.988	0.48	0.791	0.369

lod pauc23	Pe-SierraSur	2.519	1.218	0.697	0.335	0.572	0.26	2.549	1.232	0.706	0.339	0.58	0.264
lod padre10	Pe-SierraCentro	7.951	3.85	8.685	4.205	7.354	3.564	8.046	3.897	8.798	4.26	7.462	3.616
lod persh10	Pe-CostaCentro	47.895	21.14	44.638	19.08	15.424	5.88	48.47	19.69	45.219	18.1	15.65	5.19
lod pier10	Pe-CostaNorte	7.874	2.588	7.425	2.445	6.518	2.147	7.874	2.588	7.425	2.445	6.518	2.147
lod pindu10	Pe-SierraCentro	5.871	2.847	5.619	2.723	3.519	1.719	5.941	2.881	5.693	2.759	3.571	1.744
lod pisco10	Pe-SierraCentro	8.604	4.179	6.334	3.077	4.441	2.143	8.707	4.229	6.417	3.117	4.506	2.175
lod piura10	Pe-CostaNorte	24.524	11.881	20.552	9.951	11.744	5.696	24.818	12.023	20.82	10.08	11.917	5.779
lod piurtg10	Pe-CostaNorte	3.472	1.682	2.602	1.266	1.434	0.686	3.514	1.702	2.636	1.282	1.455	0.696
lod placid4	Pe-CostaSur	6.573	0	5.638	0.807	5.383	1.089	6.651	0	5.712	0.818	5.462	1.105
lod plan10	Pe-CostaCentro	21.606	6.88	19.275	7.25	9.284	3.12	21.865	6.96	19.527	7.34	9.42	3.17
lod ploxi4	Pe-SierraCentro	1.503	1.11	2.877	1.066	2.082	0.763	1.521	1.123	2.915	1.08	2.112	0.774
lod pomal10	Pe-CostaNorte	0	0	0	0	0	0	0	0	0	0	0	0
lod pomal23	Pe-CostaNorte	2.867	1.387	2.143	1.036	1.188	0.57	2.902	1.404	2.171	1.049	1.206	0.578
lod pomat10	Pe-SierraSur	0.157	0.076	0	0	0	0	0.159	0.077	0	0	0	0
lod pomat23	Pe-SierraSur	0.098	0.047	0.032	0.016	0.036	0.017	0.099	0.048	0.033	0.016	0.037	0.017
lod porve10	Pe-CostaNorte	6.718	3.25	6.53	3.156	3.462	1.683	6.799	3.289	6.615	3.197	3.513	1.708
lod ppied10	Pe-CostaCentro	14.779	5.74	20.048	7.54	15.384	5.16	14.956	5.35	20.309	7.15	15.61	4.56
lod pqib10	Pe-CostaSur	30.382	11.027	19.456	7.689	5.746	2.09	30.746	11.159	19.709	7.789	5.831	2.12
lod pqind10	Pe-SierraCentro	7.479	3.626	3.142	1.522	1.217	0.587	7.569	3.669	3.183	1.542	1.235	0.595
lod prade10	Pe-CostaCentro	3.034	0.94	3.178	1.51	2.395	0.7	3.071	0.95	3.22	1.53	2.43	0.71
lod prade23	Pe-CostaCentro	2.133	0.38	2.09	0.5	2.267	0.46	2.158	0.39	2.117	0.51	2.301	0.47
lod prim10	Pe-CostaCentro	47.125	22.9	48.156	24.42	18.08	8.65	47.691	23.17	48.784	24.74	18.345	8.78
lod pucal10	Pe-SierraCentro	17.147	4.66	14.143	6.841	6.752	3.272	17.353	4.349	14.327	6.931	6.851	3.32
lod puen10	Pe-CostaCentro	76.476	23.86	92.763	38.2	48.163	11.63	77.394	24.15	93.971	38.69	48.87	11.8
lod puno10	Pe-SierraSur	9.501	4.607	4.624	2.248	3.175	1.547	9.615	4.662	4.685	2.277	3.221	1.569
lod puqui10	Pe-SierraCentro	0.902	0.441	0.264	0.124	0.368	0.158	0.913	0.447	0.268	0.126	0.374	0.16
lod puqui23	Pe-SierraCentro	0.288	0.134	0.093	0.047	0.105	0.053	0.291	0.136	0.094	0.047	0.107	0.053
lod pushb69	Pe-CostaSur	2.74	0	5.867	0.838	4.673	0.948	2.74	0	5.867	0.838	4.673	0.948
lod pzinc11	Pe-SierraCentro	16.178	12.003	31.027	11.467	22.385	8.266	16.372	12.147	31.432	11.616	22.713	8.387
lod qhon14	Pe-CostaSur	3.89	0	3.89	0.55	3.89	0.79	3.89	0	3.89	0.55	3.89	0.79
lod que33pm	Pe-SierraSur	0.493	0.197	1.817	1.031	1.519	0.862	0.499	0.2	1.84	1.044	1.541	0.874
lod quen10	Pe-SierraSur	4.967	2.404	2.869	1.392	2.352	1.139	5.027	2.433	2.906	1.41	2.386	1.156
lod quen33	Pe-SierraSur	1.433	0.569	0.595	0.329	0.716	0.409	1.45	0.576	0.603	0.334	0.726	0.415
lod quilla10	Pe-SierraSur	3.62	1.751	1.891	0.91	1.623	0.798	3.663	1.772	1.916	0.922	1.647	0.809
lod racchi10	Pe-SierraSur	1.533	0.744	0.455	0.219	0.412	0.206	1.552	0.753	0.461	0.222	0.418	0.209

lod racchi33	Pe-SierraSur	1.195	0.564	0.58	0.282	0.532	0.257	1.21	0.571	0.588	0.286	0.54	0.261
lod refzn30	Pe-CostaCentro	24.915	8.19	67.293	22.12	71.57	23.52	24.915	8.19	67.293	22.12	71.57	23.52
lod repa10	Pe-CostaSur	1.076	0.538	0.382	0.182	0.317	0.141	1.089	0.544	0.387	0.185	0.322	0.143
lod repa23	Pe-CostaSur	1.614	0.807	1.147	0.565	0.916	0.458	1.633	0.817	1.162	0.572	0.93	0.465
lod rilo10	Pe-CostaSur	11.387	0	13.658	1.951	8.088	1.642	11.387	0	13.658	1.951	8.088	1.642
lod ron1	Pe-SierraCentro	0.052	0.021	0.021	0.011	0.011	0	0.052	0.021	0.022	0.011	0.011	0
lod rtala33	Pe-CostaNorte	5.758	2.087	4.971	1.807	4.494	1.636	5.827	2.112	5.035	1.83	4.56	1.66
lod sala10	Pe-CostaCentro	36.372	15.09	37.2	19.3	22.405	8.37	36.809	15.27	37.684	19.55	22.733	8.49
lod salav33	Pe-CostaNorte	1.217	0.657	0.967	0.518	0.513	0.275	1.232	0.665	0.98	0.525	0.521	0.279
lod sale10	Pe-SierraCentro	12.175	5.898	7.102	3.437	3.121	1.51	12.321	5.969	7.195	3.481	3.166	1.532
lod sam1	Pe-SierraCentro	0.62	0.207	0.64	0.213	0.632	0.211	0.627	0.209	0.648	0.216	0.641	0.214
lod sanit10	Pe-CostaCentro	18.02	9.71	13.892	9.22	7.083	3.9	18.237	9.82	14.073	9.34	7.187	3.95
lod sanit23	Pe-CostaCentro	24.352	8.16	24.685	8.96	18.155	5.45	24.645	8.26	25.007	9.07	18.421	5.53
lod sant13	Pe-CostaNorte	1.388	0.669	1.25	0.607	0.313	0.151	1.405	0.677	1.267	0.615	0.318	0.153
lod santo4	Pe-SierraCentro	0.632	0.274	0.446	0.231	0.247	0.124	0.64	0.277	0.452	0.235	0.251	0.125
lod sari33	Pe-CostaSur	0.996	0.424	0.527	0.229	0.706	0.286	1.008	0.429	0.534	0.232	0.716	0.29
lod sbart10	Pe-CostaCentro	3.667	1.56	2.542	1.46	2.586	1.26	3.711	1.58	2.575	1.48	2.624	1.28
lod sclar10	Pe-CostaCentro	8.169	3.31	9.842	4.6	7.29	2.81	8.267	3.35	9.97	4.66	7.397	2.85
lod sclar23	Pe-CostaCentro	7.204	2.26	8.585	3.02	6.441	2.08	7.291	2.28	8.697	3.06	6.536	2.11
lod scris2	Pe-SierraCentro	1.278	1.051	2.001	1.05	1.67	0.866	1.293	1.063	2.027	1.064	1.694	0.878
lod scris4	Pe-SierraCentro	0.935	0.947	1.802	0.942	1.505	0.783	0.946	0.959	1.826	0.955	1.527	0.795
lod sechu10	Pe-CostaNorte	0.757	0.373	0.469	0.227	0.333	0.166	0.766	0.377	0.475	0.23	0.338	0.169
lod segua10	Pe-CostaNorte	4.52	2.188	5.122	2.48	0.316	0.154	4.574	2.214	5.189	2.513	0.32	0.156
lod sepo10A	Pe-CostaNorte	6.462	3.13	5.494	2.664	4.352	2.093	6.54	3.167	5.565	2.698	4.416	2.123
lod sgab1	Pe-SierraSur	0.103	0	0.107	0	0.105	0	0.105	0	0.108	0	0.107	0
lod shelby	Pe-SierraCentro	0.097	0.074	3.795	2.348	3.566	2.206	0.098	0.075	3.844	2.379	3.618	2.238
lod sicua10	Pe-SierraSur	1.679	0.716	0.143	0.063	0.089	0.035	1.699	0.725	0.145	0.064	0.091	0.035
lod sidnor13	Pe-CostaNorte	0	0	3.577	1.732	0.19	0.092	0	0	3.577	1.732	0.19	0.092
lod sidsur13	Pe-CostaNorte	0	0	3.577	1.732	0.19	0.092	0	0	3.577	1.732	0.19	0.092
lod sihua2	Pe-CostaNorte	0.608	0.293	0.286	0.131	0.204	0.102	0.615	0.297	0.29	0.133	0.207	0.103
lod sima10	Pe-CostaCentro	1.745	0.77	2.309	0.99	1.236	0.47	1.766	0.72	2.339	0.94	1.255	0.42
lod sisdr10	Pe-CostaCentro	15.42	6.87	15.841	7.15	6.199	2.72	15.605	6.95	16.048	7.24	6.29	2.76
lod sisid10	Pe-CostaCentro	20.246	9.81	22.595	11.05	12.91	6.15	20.489	9.92	22.89	11.19	13.099	6.24
lod sisid23	Pe-CostaCentro	3.041	0.85	3.407	1.08	0.907	0.18	3.077	0.86	3.452	1.1	0.921	0.19
lod sjac13	Pe-CostaNorte	0.929	0.451	0.366	0.178	0.225	0.113	0.94	0.456	0.371	0.18	0.229	0.114

lod sjua11	Pe-SierraCentro	0.749	0.229	0.678	0.24	0.639	0.227	0.758	0.232	0.687	0.243	0.648	0.23
lod sjua2.4	Pe-SierraCentro	1.218	0.067	1.091	0.066	1.154	0.082	1.232	0.067	1.106	0.067	1.171	0.084
lod sjuan10	Pe-CostaCentro	21.198	9.03	15.855	6.76	11.202	4.77	21.452	9.14	16.062	6.85	11.366	4.84
lod smarco10	Pe-CostaNorte	0.544	0.258	0.233	0.112	0.167	0.084	0.55	0.261	0.236	0.114	0.17	0.085
lod smarco23	Pe-CostaNorte	0.408	0.204	0.112	0.052	0.06	0.036	0.413	0.206	0.114	0.052	0.061	0.036
lod smarg10	Pe-SierraCentro	3.749	1.841	6.001	2.905	3.773	1.825	3.794	1.864	6.08	2.943	3.829	1.852
lod smarg23	Pe-SierraCentro	3.88	1.841	4.084	1.976	4.045	1.948	3.927	1.864	4.138	2.002	4.104	1.977
lod smari10	Pe-CostaCentro	35.062	13.61	33.232	14.15	16.027	6.83	35.483	15.12	33.665	14.34	16.262	6.93
lod smari23	Pe-SierraSur	0.941	0.457	0.364	0.168	0.275	0.138	0.952	0.463	0.369	0.17	0.279	0.14
lod smat2.4	Pe-SierraCentro	2.78	0.052	0.033	0.025	0.041	0.021	2.814	0.052	0.034	0.025	0.042	0.021
lod smate10	Pe-SierraCentro	1.734	0.838	0.896	0.433	0.619	0.297	1.755	0.848	0.908	0.439	0.629	0.301
lod smate23	Pe-SierraCentro	0.432	0.209	0.509	0.246	0.365	0.178	0.437	0.212	0.516	0.249	0.37	0.181
lod snico13	Pe-CostaCentro	10.227	4.2	6.616	2.695	9.012	3.872	10.227	4.2	6.616	2.695	9.012	3.872
lod soca33	Pe-CostaSur	8.572	4.152	3.95	1.912	2.047	0.988	8.675	4.202	4.002	1.937	2.077	1.003
lod sraf10	Pe-SierraSur	11.926	0	8.236	1.17	7.846	1.597	12.069	0	8.344	1.185	7.961	1.62
lod sraf460	Pe-SierraSur	1.325	0	5.219	0.746	4.968	1.008	1.341	0	5.287	0.755	5.041	1.023
lod sros10	Pe-CostaCentro	68.373	26.53	66.6	25.04	37.306	12.51	69.194	24.71	67.468	23.75	37.853	11.06
lod such69	Pe-CostaSur	1.71	0	1.71	0.244	1.70856	0.346	1.71	0	1.71	0.244	1.71	0.346
lod sulla10	Pe-CostaNorte	12.362	4.882	10.182	4.067	5.751	1.606	12.511	4.941	10.315	4.12	5.836	1.629
lod supe10	Pe-CostaNorte	8.762	3.738	6.522	2.774	4.51	1.928	8.867	3.783	6.607	2.81	4.576	1.957
lod surco10	Pe-SierraCentro	1.041	0.504	0.644	0.31	0.594	0.289	1.053	0.51	0.653	0.314	0.603	0.293
lod tac-1	Pe-CostaSur	3.56	1.724	2.973	1.442	2.453	1.042	3.602	1.745	3.011	1.46	2.489	1.057
lod tac-2	Pe-CostaSur	2.232	1.079	1.859	0.895	1.529	0.739	2.258	1.092	1.883	0.906	1.551	0.75
lod tac-3	Pe-CostaSur	3.56	1.724	2.973	1.442	2.453	1.176	3.602	1.745	3.011	1.46	2.489	1.193
lod tac-4	Pe-CostaSur	1.78	0.867	1.481	0.716	1.226	0.588	1.801	0.877	1.501	0.725	1.244	0.597
lod tacam10	Pe-SierraCentro	0.554	0.268	4.861	2.351	3.877	1.891	0.561	0.271	4.924	2.382	3.934	1.918
lod tacn10	Pe-CostaCentro	57.887	24.02	53.376	21.46	16.562	5.94	58.582	22.38	54.071	20.36	16.805	5.25
lod tacpi10	Pe-CostaSur	4.721	2.287	3.291	1.591	2.688	1.294	4.778	2.314	3.334	1.611	2.727	1.313
lod talar13	Pe-CostaNorte	4.096	1.988	3.533	1.717	3.2	1.546	4.146	2.012	3.579	1.739	3.247	1.569
lod tapar10	Pe-SierraSur	16.761	8.121	8.781	4.262	6.678	3.244	16.962	8.219	8.896	4.318	6.776	3.292
lod tarma10	Pe-SierraCentro	2.089	0.533	0.827	0.289	0.907	0.309	2.114	0.539	0.838	0.293	0.92	0.314
lod tarma23	Pe-SierraCentro	1.044	0.266	0.355	0.124	0.371	0.124	1.057	0.27	0.36	0.126	0.376	0.125
lod temb13	Pe-CostaNorte	0.34	0.122	1.182	0.432	0.096	0.036	0.344	0.124	1.198	0.437	0.097	0.036
lod textil60	Pe-CostaNorte	4.41	2.14	5.88	2.85	5.88	2.85	4.41	2.14	5.88	2.85	5.88	2.85
lod tq4_ts	Pe-CostaNorte	42.733	20.703	33.838	16.389	17.977	8.714	43.246	20.952	34.279	16.603	18.241	8.842

lod ticap13	Pe-CostaNorte	1.997	0.966	1.108	0.536	0.836	0.408	2.021	0.978	1.123	0.543	0.848	0.414
lod ticlio50	Pe-SierraCentro	0.099	0.067	0.083	0.05	0.103	0.062	0.1	0.067	0.084	0.05	0.105	0.063
lod tinta416	Pe-SierraSur	14.4	0	15.769	2.247	16.157	3.277	14.4	0	15.769	2.247	16.157	3.277
lod tinta10	Pe-SierraSur	17.158	0.991	17.004	2.589	17.23	3.587	17.158	0.991	17.004	2.589	17.23	3.587
lod tmari10	Pe-SierraCentro	2.329	0.654	1.553	0.753	2.472	1.195	2.357	0.662	1.573	0.763	2.508	1.212
lod tmora10	Pe-SierraCentro	2.484	1.209	2.177	1.054	1.678	0.811	2.514	1.224	2.205	1.068	1.703	0.823
lod toca10	Pe-SierraCentro	0	0	0	0	0	0	0	0	0	0	0	0
lod toca23	Pe-SierraCentro	2.964	1.418	2.415	1.167	1.374	0.657	3	1.435	2.447	1.182	1.394	0.667
lod toma10	Pe-CostaSur	0.627	0.249	0.418	0.179	0.353	0.151	0.635	0.252	0.423	0.181	0.358	0.153
lod torre8	Pe-SierraCentro	10.868	8.066	21.818	8.061	18.077	6.678	10.999	8.163	22.102	8.166	18.342	6.776
lod trene10	Pe-CostaCentro	0.15	0.07	0.192	0.09	0.162	0.08	0.152	0.07	0.195	0.09	0.165	0.08
lod tru_no	Pe-CostaNorte	18.695	9.054	15.069	7.297	11.609	5.622	18.92	9.163	15.265	7.392	11.779	5.705
lod trup35	Pe-CostaNorte	5.294	2.563	7.628	3.69	2.589	1.249	5.358	2.593	7.728	3.738	2.627	1.267
lod trupal	Pe-CostaNorte	6.792	3.29	12.129	5.873	4.204	2.041	6.873	3.33	12.287	5.95	4.266	2.071
lod tuman10	Pe-CostaNorte	1.399	0.676	1.816	0.88	1.172	0.57	1.415	0.684	1.84	0.891	1.189	0.578
lod tuman23	Pe-CostaNorte	1.69	0.816	1.05	0.511	0.505	0.244	1.71	0.826	1.064	0.518	0.512	0.248
lod tumb10	Pe-CostaNorte	7.64	3.702	7.076	3.429	5.78	2.8	7.731	3.747	7.168	3.474	5.865	2.841
lod tvalle10	Pe-CostaCentro	44.254	17.18	43.954	16.52	27.989	9.39	44.785	16	44.527	15.67	28.4	8.3
lod tvcara	Pe-CostaSur	12.596	5.038	11.853	4.741	11.42	4.568	12.596	5.038	11.853	4.741	11.42	4.568
lod uchu33	Pe-SierraCentro	11.206	2.916	8.532	3.15	8.966	3.319	11.34	2.951	8.643	3.191	9.098	3.367
lod union10	Pe-CostaNorte	2.147	1.039	1.317	0.636	0.904	0.452	2.172	1.052	1.334	0.644	0.917	0.458
lod vent_c	Pe-CostaCentro	0.516	0.21	0.533	0.21	0.527	0.21	0.523	0.21	0.54	0.22	0.534	0.21
lod venta10	Pe-CostaCentro	13.139	5.1	8.937	3.36	6.69	2.24	13.297	4.75	9.053	3.18	6.788	1.97
lod villac10	Pe-SierraCentro	6.147	2.973	6.54	3.164	4.188	2.034	6.221	3.009	6.625	3.205	4.25	2.064
lod viru10	Pe-CostaNorte	2.446	1.181	1.555	0.76	0.812	0.394	2.476	1.195	1.575	0.77	0.824	0.4
lod vmar10	Pe-CostaCentro	41.186	15.99	27.625	11.76	16.521	7.04	41.68	17.76	27.985	11.92	16.763	7.14
lod vsalv10	Pe-CostaCentro	19.02	10.39	12.388	8.6	7.481	3.47	19.249	10.51	12.549	8.72	7.59	3.52
lod yar10a	Pe-CostaSur	1.623	0.876	2.287	1.233	2.47	1.327	1.642	0.887	2.316	1.249	2.506	1.347
lod yar10b	Pe-CostaSur	1.005	0.544	1.422	0.766	1.529	0.823	1.017	0.551	1.44	0.776	1.551	0.835
lod yau13a	Pe-SierraCentro	0.492	0	0.381	0	1.02	0	0.498	0	0.386	0	1.035	0
lod yau13b	Pe-SierraCentro	0.475	1.039	2.178	1.051	1.938	0.938	0.481	1.052	2.207	1.065	1.966	0.952
lod yau23	Pe-SierraCentro	0.282	0.617	1.401	0.678	1.591	0.775	0.286	0.624	1.42	0.687	1.614	0.787
lod yauli50	Pe-SierraCentro	2.912	0.067	0.223	0.058	0.124	0.041	2.947	0.067	0.226	0.059	0.125	0.042
lod yura10	Pe-CostaSur	6.29	2.28	12.1	5.15	12.1	3.98	6.29	2.28	12.1	5.15	12.1	3.98
lod yura6	Pe-SierraSur	8.525	4.604	23.512	12.687	23.566	12.716	8.525	4.604	23.512	12.687	23.566	12.716

lod zapall10	Pe-CostaCentro	10.188	3.96	7.253	2.72	7.206	2.42	10.31	3.69	7.348	2.58	7.311	2.14
lod zaru10	Pe-CostaNorte	2.039	0.988	1.889	0.915	1.541	0.745	2.064	1	1.913	0.927	1.564	0.756
lod zaru23	Pe-CostaNorte	0.651	0.314	0.538	0.262	0.411	0.206	0.659	0.318	0.545	0.265	0.417	0.209
lod2 altchi13.8	Pe-CostaNorte	8	2.6	8	2.6	8	2.6	8	2.6	8	2.6	8	2.6
lod2 huancar	Pe-SierraSur	7.8	3.19	6.9	3.1	6.9	3.1	7.8	3.685	6.27	3.1	6.27	3.1
ms boti6.9_1(1)	Pe-CostaSur	2.65	0.664	2.65	0.664	2.65	0.664	2.65	0.664	2.65	0.664	2.65	0.664
ms boti6.9_12	Pe-CostaSur	5.3	1.328	5.3	1.328	5.3	1.328	5.3	1.328	5.3	1.328	5.3	1.328
ms boti6.9_2(1)	Pe-CostaSur	8.01	1.992	8.01	1.992	8.01	1.992	8.01	1.992	8.01	1.992	8.01	1.992
ms boti6.9_22	Pe-CostaSur	5.34	1.328	5.34	1.328	5.34	1.328	5.34	1.328	5.34	1.328	5.34	1.328
ms boti6.9_3(1)	Pe-CostaSur	7.4	1.855	7.4	1.855	7.4	1.855	7.4	1.855	7.4	1.855	7.4	1.855
ms boti6.9_32	Pe-CostaSur	7.4	1.855	7.4	1.855	7.4	1.855	7.4	1.855	7.4	1.855	7.4	1.855
ms ilo416	Pe-CostaSur	3.92	0	3.92	0	3.92	0	3.92	0	3.92	0	3.92	0
ms mill4.16	Pe-CostaSur	11	5	11	5	11	5	11	5	11	5	11	5
ms millis13.8_2	Pe-CostaSur	4.2	0.45	4.2	0.45	4.2	0.45	4.2	0.45	4.2	0.45	4.2	0.45
ms millis13.8_3	Pe-CostaSur	4.2	0.45	4.2	0.45	4.2	0.45	4.2	0.45	4.2	0.45	4.2	0.45
ms millis13.8_4	Pe-CostaSur	2.8	0.3	2.8	0.3	2.8	0.3	2.8	0.3	2.8	0.3	2.8	0.3
ms millis13.8_5	Pe-CostaSur	4.2	0.45	4.2	0.45	4.2	0.45	4.2	0.45	4.2	0.45	4.2	0.45
ms sidnor13A	Pe-CostaNorte	2.314	1.121	2.314	1.121	2.314	1.121	2.314	1.121	2.314	1.121	2.314	1.121
ms sidnor13B	Pe-CostaNorte	3.026	1.465	3.026	1.465	3.026	1.465	3.026	1.465	3.026	1.465	3.026	1.465
ms sidnor13C	Pe-CostaNorte	3.026	1.465	3.026	1.465	3.026	1.465	3.026	1.465	3.026	1.465	3.026	1.465
ms sidnor13D	Pe-CostaNorte	0.534	0.259	0.534	0.259	0.534	0.259	0.534	0.259	0.534	0.259	0.534	0.259
ms sidsur13A	Pe-CostaNorte	8.9	4.31	8.9	4.31	8.9	4.31	8.9	4.31	8.9	4.31	8.9	4.31
ms snico13A	Pe-SierraCentro	1.696064	0.691	1.696064	0.691	1.696064	0.691	1.696064	0.691	1.696064	0.691	1.696064	0.691
ms snico13B	Pe-SierraCentro	4.028152	1.642	4.028152	1.642	4.028152	1.642	4.028152	1.642	4.028152	1.642	4.028152	1.642
ms snico13C	Pe-SierraCentro	4.028152	1.642	4.028152	1.642	4.028152	1.642	4.028152	1.642	4.028152	1.642	4.028152	1.642
ms snico13D	Pe-SierraCentro	3.18012	1.296	3.18012	1.296	3.18012	1.296	3.18012	1.296	3.18012	1.296	3.18012	1.296
ms snico13E	Pe-SierraCentro	2.332088	0.951	2.332088	0.951	2.332088	0.951	2.332088	0.951	2.332088	0.951	2.332088	0.951
ms snico13F	Pe-SierraCentro	10.17638	0.39	10.17638	2.2	10.17638	4.7	10.17638	0.35	10.17638	3.67	10.17638	5.92
asm boti_1(1)	Pe-CostaSur	4.826	1.6	4.826	1.6	4.826	1.6	4.826	1.6	4.826	1.6	4.826	1.6
asm boti_2(1)	Pe-CostaSur	5.605	1.6	5.605	1.6	5.605	1.6	5.605	1.6	5.605	1.6	5.605	1.6
asm boti_3(1)	Pe-CostaSur	6.744	1.592	6.744	1.592	6.744	1.592	6.744	1.592	6.744	1.592	6.744	1.592
asm ilo1	Pe-CostaSur	6.22755	3.28	6.22755	3.26	6.22755	3.26	6.22755	3.24	6.22755	3.26	6.22755	3.26
asm ilo11	Pe-CostaSur	3.65745	1.93	3.65745	1.92	3.65745	1.92	3.65745	1.91	3.65745	1.92	3.65745	1.92
asm lixi_1	Pe-CostaSur	13.35	1	13.35	1	13.35	1	13.35	1	13.35	1	13.35	1
asm mills_1	Pe-CostaSur	3.8	2.7	3.8	2.7	3.8	2.7	3.8	2.69	3.8	2.7	3.8	2.7

Despacho de Centrales.

Sin carga de Machala.

AVENIDA 2006			ESTIAJE 2006		
Máxima	Media	Mínima	Máxima	Media	Mínima

PARQUE HIDRAÚLICO

CENTRO NORTE

Mantaro	631.79	631.79	631.79	610	610	450
Restitución	209.76	209.76	209.76	208	208	161
Huinco	218.72	205.4	0	177.52	169.2	0
Matucana	123.5	120	60	85	85	80
Callahuanca	77.49	77.28	76	63	63	63
Moyopampa	64.71	60	60	63	63	63
Huampaní	30.2	29	29	28	28	28
Chimay	150.9	150	100	100	75	0
Yanango	42.61	42.61	42.61	8	8	8
Huanchor	19.632	18.2	18.2	17	17	17
Yaupi	102	102	102	82	80	60
Malpaso	48.02	48	0	40	40	4
Oroya	8.84	8.841	8.841	6.999	6.999	6.999
Pachachaca	9.34	9.339	9.339	7.701	7.701	7.701
Cahua	43.114	40	30	22	22	22
Pariac	3	3	3	1.8	1.7	1.7
Gallito Ciego	38.147	17	0	16	16	0
Carhuaquero	87	87	60	20	20	10
Cañón del Pato	240	240	140	140	140	60
Yuncan	130	130	130	82	80	60
Curumuy	10	10	10	10	10	0
Poechos	15.4	15.4	15.4	15.4	15.4	0

SUR

Machupicchu	85.791	85.791	85.791	87	87	87
Aricota I	20	4	4	20	2	2
Aricota II	10	2	2	10	2	2
Charcani I	1.6	1.6	1.6	1.6	1.6	1.6
Charcani II	0.6	0.6	0.6	0.6	0.6	0.6
Charcani III	3.8	3.8	3.8	3.8	3.8	3.8
Cahrcani IV	10.5	10.5	10.5	10.5	10.5	10.5
Charcani V	129.6	129.6	62	80	90	10.2
Charcani VI	6.9	6.9	6.9	6.9	6.9	6.9
San Gabán	100	100	40	85	67	40
Huancarama	3.6	2.8	2.8	1.4	0.8	0.8

PARQUE TERMICO

CENTRO NORTE

Tumbes				18.26	18.26	
Yarinacocha				23.82	23.82	
SRosa. - Westing.				114	114	109.36
SRosa. - UTI5						
SRosa. - UTI6						
Vent. - TG3	154.746	154.746	40	159.2	159.2	159.2
Vent. - TG4	153.699	153.699	40	156.1	156.1	156.1
Vent. - TVY (*)				86.301	86.301	86.301

Cahua - Sulzer						
Cahua - Man						
Shougesa - TV1						
Shougesa - TV2						
Shougesa - TV3				25.39	25.39	10
Shougesa - CUM						
EEPSA - TG123				30	15	15
EEPSA - TGN4	81.151	81.151	0	81.151	81.151	81.151
Chiclayo Oeste						
Piura 1				16.84	16.84	
Sullana						
Paita 1						
Piura 2						
Paita 2						
TG Piura						
Trujillo Sur						
Chimbote						
Termoselva - TG1	87.046	87.046	87.046	87.046	87.046	87.046
Termoselva - TG2	78.1462	78.146	40	78.146	78.146	78.146

SUR

Dolorespata 1						
Dolorespata 2						
Calana123				18.73	18.73	
Calana4				6.37	6.37	
Ilo1 - TV1						
Ilo1 - TV2	10	10	10	23.2	23.2	10
Ilo1 - TV3				71.69	71.69	22
Ilo1 - TV4	22	22	22			
Ilo1 - CATKT						
Ilo1 - TG1						
Ilo1 - TG2						
Ilo2				141	141	107.5
Moll. - CCOMB						
Moll. - TGM1						
Moll. - TGM2						
Moll. - 123				31.46	31.46	
Chilina - Szs12						
Chilina - TV2						
Chilina - TV3						
Taparachi						
Bellavista 1						
Bellavista 2						

TOTAL DESPACHO	3263.3522	3188.999	2194.977	3278.924	3193.904	2191.604
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CARGA MOTORES	184.71	184.71	184.71	184.71	184.71	184.71
CARGA	2881.84	2807.04	1879.02	2911.77	2835.56	1898.87
TOTAL CARGA	3066.55	2991.75	2063.73	3096.48	3020.27	2083.58

PERDIDAS	196.7	197.16	131.14	182.34	173.65	107.96
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