

COMISIÓN DE REGULACIÓN DE ENERGÍA Y GAS – CREG

DECLARACIÓN DE PARÁMETROS PARA EL CÁLCULO DE LA ENFICC
PARA LA VIGENCIA DE DICIEMBRE DE 2015 A NOVIEMBRE DE 2016

Bogotá, diciembre 28 de 2011

Formato 1

No reportó información.

Formato 2

No reportó información.

Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
Termoemcali I Existente FOIL2	212.84	6.9735	6

Formato 4

No reportó información.

Formato 5

No reportó información.

Formato 6

No reportó información.

Formato 7

No reportó información.

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No reportó información.

Formato 9

No reportó información.

Formato 10

No reportó información.

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14

No reportó información.

Formato 15

No reportó información.

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
Termoemcali I Existente FOil2	Fuel Oil2 - Diesel	8784	1106615.68	1106615.68	1035221.12	1106615.68	1070918.4	1106615.68	1070918.4	1106615.68	1106615.68	1070918.4	1106615.68	1070918.4

Formato 17. Almacenamiento Combustible

PLANTA	COMBUSTIBLE	CAP_ALMACENAMIENTO	CANT_ALMACENADA (MBTU)
Termoemcali I Existente FOil2	Fuel Oil	1300000	0

Formato 18

No reportó información.

Formato 19

No reportó información.

Formato 1

No reportó información.

Formato 2

No reportó información.

Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
Tasajero I (existente)	155.32	9.4628	3.0615
Tasajero II (nueva - Fraccion 4)	160	9.8	5.0001

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No reportó información.

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No reportó información.

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Formato 9

No reportó información.

Formato 10

No reportó información.

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No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14

No reportó información.

Formato 15

No reportó información.

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
Tasajero I (existente)	CARBON	8784	1093503	1093503	1022954.42	1093503	1058228.71	1093503	1058228.71	1093503	1093503	1058228.71	1093503	1058228.71
Tasajero II (nueva - Fraccion 4)	CARBON	8784	1166592	1166592	1091328	1166592	1128960	1166592	1128960	1166592	1166592	1128960	1166592	1128960

Formato 17. Almacenamiento Combustible

PLANTA	COMBUSTIBLE	CAP_ALMACENAMIENTO	CANT_ALMACENADA (MBTU)
Tasajero I (existente)	CARBON	185404.44	0
Tasajero II (nueva - Fraccion 4)	CARBON	0	0

Formato 18

No reportó información.

No reportó información.

Formato 1. Plantas o Unidades Hidráulicas

NOMBRE	CAP. EFECTIVA NETA (MW)	EFICIENCIA (MW/(m3/s))	IHE (%)
URRA I	338	0.4729	46.4198

Formato 2. Topología Plantas Hidráulicas

NOMBRE_SISTEMA	ELEMENTO_CLASE	ELEMENTO_NOMBRE	APORTES_RIO	APORTES_EMBALSE	APORTES_PLANTA	APORTES_OTRO	DESCARGA_RIO	DESCARGA_EMBALSE	DESCARGA_PLANTA	DESCARGA_OTRO	VERTIMIENTO_S_RIO	VERTIMIENTO_S_EMBALSE	VERTIMIENTO_S_PLANTA	VERTIMIENTO_S_OTRO
URRA	E	URRA	SINU						URRA I		RIO SINU aguas abajo de la planta URRA I			
URRA	P	URRA I		URRA			RIO SINU aguas abajo							

Formato 2A. Topología Plantas Hidráulicas

TOPOLOGÍA URRÁ



Formato 3

No reportó información.

Formato 4. Caudal Medio Mensual

RIO	AÑO	CAUDAL_ENERO (m3/s)	CAUDAL_FEBRERO (m3/s)	CAUDAL_MARZO (m3/s)	CAUDAL_ABRIL (m3/s)	CAUDAL_MAYO (m3/s)	CAUDAL_JUNIO (m3/s)	CAUDAL_JULIO (m3/s)	CAUDAL_AGOSTO (m3/s)	CAUDAL_SEPTIEMBRE (m3/s)	CAUDAL_OCTUBRE (m3/s)	CAUDAL_NOVIEMBRE (m3/s)	CAUDAL_DICIEMBRE (m3/s)
SINU	1960	312	212	168	345	511	507	526	485	508	552	367	334
SINU	1961	255	139	129	209	400	542	634	558	487	480	459	393
SINU	1962	243	172	188	258	606	567	626	625	570	549	491	360
SINU	1963	430	257	216	401	631	823	650	404	368	260	264	225

SINU	1964	128	116	135	213	194	363	394	390	286	350	313	188
SINU	1965	178	143	128	161	233	212	175	250	365	375	290	205
SINU	1966	295	141	76	157	402	512	597	547	554	525	419	346
SINU	1967	108	109	79	137	341	586	639	558	426	364	335	341
SINU	1968	237	140	149	201	458	552	635	546	493	610	433	219
SINU	1969	138	115	134	162	251	499	454	537	468	379	337	351
SINU	1970	301	197	105	330	562	632	527	495	556	520	454	502
SINU	1971	385	207	363	262	508	489	599	508	483	524	453	203
SINU	1972	234	119	99	211	538	497	372	421	493	494	384	223
SINU	1973	103	59	116	91	229	367	513	453	432	450	670	327
SINU	1974	241	116	109	257	523	487	369	427	454	587	568	186
SINU	1975	85	65	69	68	236	396	618	623	533	622	602	446
SINU	1976	142	127	96	150	335	585	493	348	350	451	399	149
SINU	1977	96	66	82	144	391	520	494	519	390	542	483	298
SINU	1978	109	116	149	387	518	633	393	478	397	530	461	301
SINU	1979	101	73	76	160	373	516	439	421	485	459	358	266
SINU	1980	164	138	63	80	258	347	439	418	354	561	373	348
SINU	1981	202	253	405	375	557	665	486	450	518	448	428	290
SINU	1982	166	226	115	266	520	422	509	392	468	449	334	156
SINU	1983	123	74	97	230	388	495	433	419	460	483	456	310
SINU	1984	205	169	142	126	295	403	534	537	488	502	488	285
SINU	1985	106	80	80	115	184	388	376	445	472	523	402	238
SINU	1986	136	146	89	491	381	455	520	225	296	379	328	201
SINU	1987	114	142	71	412	562	310	577	593	379	583	401	314
SINU	1988	107	78	53	239	366	380	613	812	390	605	429	295
SINU	1989	229	120	174	162	436	493	497	449	397	371	322	252
SINU	1990	146	93	99	171	538	377	381	424	322	388	481	239
SINU	1991	103	92	112	100	305	472	396	365	390	466	335	224
SINU	1992	105	57	56	87	329	302	369	411	414	412	334	287
SINU	1993	161	116	121	270	516	417	470	282	330	364	404	334
SINU	1994	123	71	92	224	472	331	404	435	431	382	487	246
SINU	1995	98	59	57	167	366	516	546	410	432	440	362	367
SINU	1996	258	196	319	288	516	533	637	438	492	410	323	191
SINU	1997	113	215	105	151	320	389	400	337	300	368	355	192
SINU	1998	78	132	85	170	348	508	585	425	392	412	442	349
SINU	1999	185	267	237	469	516	472	488	547	505	530	352	389
SINU	2000	166	209	204	241	484	502	539	460	475	450	319	343
SINU	2001	187.61	72.25	162.63	157.39	469.74	457.95	376.94	338.7	357.39	447.84	505.2	342.01
SINU	2002	135.27	87.67	89.22	409.39	428.77	552.15	500.04	362.87	386.85	386.69	339.68	216.45
SINU	2003	106.57	64.55	51.91	230.22	498.77	464.39	600.34	384.43	532.83	475.63	460.95	369.39
SINU	2004	116.79	56.99	77.33	220.4	341.42	518.76	378.24	415.53	353.54	309.57	381.7	239.25
SINU	2005	174.11	161.56	104.48	259.14	398.01	513.94	418.88	402.7	428.39	496.91	416.83	235.87
SINU	2006	128.36	135.16	213.69	304.66	563.7	439.31	474.25	375.77	419.64	303.46	346.35	329.15
SINU	2007	147.02	61.03	128.15	438.8	586.3	655.91	601.03	521.75	465.93	424.15	409.02	210.55
SINU	2008	104.09	103.01	94.57	242.78	517.27	551.89	578.12	400.18	450.01	558.43	357	218.18
SINU	2009	229.63	143.64	295.71	302.14	461.56	475.91	527.57	387.26	260.76	288.08	477.44	208.6
SINU	2010	73.04	49.41	182.4	298.98	378.83	461.67	403.65	571.65	549.33	362.65	429.78	589.39

Formato 5. Embalses

NOMBRE	MIN_TECNICO (Mm3)	MAX_TECNICO (Mm3)
URRA	358.97	1822.63

Formato 6

No reportó información.

Formato 7. Curvas de Operación Embalses

EMBALSE	MES	VOLUMEN_ESPERA (Mn3/s)	CURVA_GUIA_MIN (Mn3/s)	CURVA_GUIA_MAX (Mn3/s)
URRA	1		1186	1802.39
URRA	2		735	1714.39

URRA	3		544	1723.39
URRA	4		421	1763.39
URRA	5		421	1283.39
URRA	6		579	1212.39
URRA	7		715	1293.39
URRA	8		888	1462.39
URRA	9		1110	1613.39
URRA	10		1395	1613.39
URRA	11		1580	1785.39
URRA	12		1530	1714.39

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10. Capacidad Máxima Arco Generación

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)
URRA I	75	700

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14

No reportó información.

Formato 15

No reportó información.

Formato 16

No reportó información.

Formato 17

No reportó información.

Formato 18

No reportó información.

Formato 19

No reportó información.

Formato 1

No reportó información.

Formato 2

No reportó información.

Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
PAIPA 1	31	11.7946	23.1493
PAIPA 2	59	15.3576	19.8529
PAIPA 3	70	10.5281	11.4736
PAIPA 4	150	8.8875	2.2329

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Formato 13

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Formato 14

No reportó información.

Formato 15

No reportó información.

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
PAIPA 1	CARBON	8784	209057	209057	195569	209057	202313	209057	202313	209057	209057	202313	209057	202313
PAIPA 2	CARBON	8784	540301	540301	505443	540301	522872	540301	522872	540301	540301	522872	540301	522872
PAIPA 3	CARBON	8784	485393	485393	454077	485393	469735	485393	469735	485393	485393	469735	485393	469735
PAIPA 4	CARBON	8784	969698	969698	907137	969698	938417	969698	938417	969698	969698	938417	969698	938417

Formato 17. Almacenamiento Combustible

PLANTA	COMBUSTIBLE	CAP_ALMACENAMIENTO	CANT_ALMACENADA (MBTU)
PAIPA 1	CARBON	36209	
PAIPA 2	CARBON	81762	
PAIPA 3	CARBON	81762	
PAIPA 4	CARBON	89000	

Formato 18

No reportó información.

Formato 19

No reportó información.

Formato 1

No reportó información.

Formato 2

No reportó información.

Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
BARRANQUILLA 3	55	11.8	24.1064
BARRANQUILLA 4	55	11.8	14.2339
TEBSA ACPM-GAS	750	8.5	3.3085
TEBSA GAS IMPORTADO	791	7.3085	3.3085
GUAJIRA 1	145	10	23.4413
GUAJIRA 2	145	10	24.1912
GECELCA32	250	11	10

Formato 4

No reportó información.

Formato 5

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Formato 9

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Formato 10

No reportó información.

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14. Suministro Gas Natural

PLANTA	CAMPO	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
TEBSA ACPM-GAS	CRECIENTE O APAMATE O GUAJIRA U OTRO	8784	2015000	434000	406000	434000	420000	434000	420000	434000	434000	420000	434000	420000
TEBSA GAS IMPORTADO	CRECIENTE O APAMATE O GUAJIRA U OTRO/TERMINAL DE IMPORTACION	8784	3965133	3965133	3709318	3965133	3837226	3965133	3837226	3965133	3965133	3837226	3965133	3837226

Formato 15. Transporte Gas Natural

PLANTA	PUNTO_ENTRADA	PUNTO_SALIDA	TRANSPORTE_DIC (MBTU)	TRANSPORTE_ENE (MBTU)	TRANSPORTE_FEB (MBTU)	TRANSPORTE_MAR (MBTU)	TRANSPORTE_ABR (MBTU)	TRANSPORTE_MAY (MBTU)	TRANSPORTE_JUN (MBTU)	TRANSPORTE_JUL (MBTU)	TRANSPORTE_AGO (MBTU)	TRANSPORTE_SEP (MBTU)	TRANSPORTE_OCT (MBTU)	TRANSPORTE_NOV (MBTU)
TEBSA ACPM-GAS	CRECIENTE O APAMATE O GUAJIRA U OTRO	TEBSA	2015000	434000	406000	434000	420000	434000	420000	434000	434000	420000	434000	420000
TEBSA GAS IMPORTADO	CRECIENTE O APAMATE O GUAJIRA U OTRO/TERMINAL DE IMPORTACION	TEBSA	3965133	3965133	3709318	3965133	3837226	3965133	3837226	3965133	3965133	3837226	3965133	3837226

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
BARRANQUILLA 3	FUEL OIL No. 6	8784	406674	406674	380437	406674	393555	406674	393555	406674	406674	393555	406674	393555
BARRANQUILLA 4	FUEL OIL No. 6	8784	416478	416478	389608	416478	403043	416478	403043	416478	416478	403043	416478	403043
TEBSA ACPM-GAS	FUEL OIL No. 2	8784	2596566	4177566	3908046	4177566	4042806	4177566	4042806	4177566	4177566	4042806	4177566	4042806
GUAJIRA 1	CARBON	8784	873828	873828	817452	873828	845640	873828	845640	873828	873828	845640	873828	845640
GUAJIRA 2	CARBON	8784	863040	863040	807360	863040	835200	863040	835200	863040	863040	835200	863040	835200
GECELCA32	CARBON	8784	1841400	1841400	1722600	1841400	1782000	1841400	1782000	1841400	1841400	1782000	1841400	1782000

Formato 17. Almacenamiento Combustible

PLANTA	COMBUSTIBLE	CAP_ALMACENAMIENTO	CANT_ALMACENADA (MBTU)
BARRANQUILLA 3	FUEL OIL No. 6	999390	0
BARRANQUILLA 4	FUEL OIL No. 6	999390	0
TEBSA ACPM-GAS	FUEL OIL No. 2	1998780	0
GUAJIRA 1	CARBON	135000	0
GUAJIRA 2	CARBON	135000	0
GECELCA32	CARBON	100000	0

Formato 18. Energía contratada

PLANTA	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
BARRANQUILLA 3	0	0	0	0	0	0	0	0	0	0	0	0
BARRANQUILLA 4	0	0	0	0	0	0	0	0	0	0	0	0
TEBSA ACPM-GAS	0	0	0	0	0	0	0	0	0	0	0	0
TEBSA GAS IMPORTADO	0	0	0	0	0	0	0	0	0	0	0	0
GUAJIRA 1	0	0	0	0	0	0	0	0	0	0	0	0
GUAJIRA 2	0	0	0	0	0	0	0	0	0	0	0	0
GECELCA32	0	0	0	0	0	0	0	0	0	0	0	0

Formato 19

No reportó información.

Formato 1. Plantas o Unidades Hidráulicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MW/(m3/s))	IHF (%)
Paraiso	276	7.532	6.2506
La Guaca	324	9.041	5.5995
Guavio	1200	9.728	5.6913
Betania	540	0.6274	7.2162
El Quimbo	396	1.0524	15

Formato 2. Topología Plantas Hidráulicas

NOMBRE_SIST EMA	ELEMENTO_CL ASE	ELEMENTO_N OMBRE	APORTES_RIO	APORTES_EMB ALSE	APORTES_PLA NTA	APORTES_OTR O	DESCARGA_RI O	DESCARGA_E MBALSE	DESCARGA_PL ANTA	DESCARGA_OT RO	VERTIMIENTO S_RIO	VERTIMIENTO S_EMBASLE	VERTIMIENTO S_PLANTA	VERTIMIENTO S_OTRO
Quimbo Betania	E	Embalse El Quimbo	Serie El Quimbo							Arco de Generacion El Quimbo		Embalse Betania		
Quimbo Betania	AG	Arco de Generacion El Quimbo		Embalse El Quimbo					Planta El Quimbo					
Quimbo Betania	P	Planta El Quimbo				Arco de Generacion El Quimbo		Embalse Betania						
Quimbo Betania	E	Embalse Betania	Serie Betania C.P.		Planta El Quimbo	Vertimiento Embalse El Quimbo				Arco de Generacion Betania				Tierra
Quimbo Betania	AG	Arco de Generacion Betania		Embalse Betania					Planta Betania					
Quimbo Betania	P	Planta Betania				Arco de Generacion Betania				Tierra				
Guavio	E	Embalse Guavio	Serie Guavio							Arco de Generacion Guavio				Tierra
Guavio	AG	Arco de Generacion Guavio		Embalse Guavio					Planta Guavio					
Guavio	P	Planta Guavio				Arco de Generacion Guavio				Tierra				
Paraiso La Guaca	E	Embalse Sisga	Serie Sisga							Descarga Sisga				Rio Bogota hasta Achury
Paraiso La Guaca	AD	Descarga Sisga		Embalse Sisga						Rio Bogota hasta Achury				
Paraiso La Guaca	OU	Demanda Riego Rio Bogota hasta Achury				Rio Bogota hasta Achury				Retorno Riego Rio Bogota hasta Achury				
Paraiso La Guaca	OU	Retorno Riego Rio Bogota hasta Achury				Demanda Riego Rio Bogota hasta Achury				Rio Bogota hasta Achury				
Paraiso La Guaca	E	Embalse Tomine	Serie Tomine (Hidrologia Antigua)			Bombeo Tomine				Descarga Tomine				Rio Bogota hasta Achury
Paraiso La Guaca	AD	Descarga Tomine		Embalse Tomine						Rio Bogota hasta Achury				
Paraiso La Guaca	B	Bombeo Tomine				Rio Bogota hasta Achury		Embalse Tomine						
Paraiso La Guaca	N	Rio Bogota hasta Achury	Serie Baraya			Vertimiento Sisga + Descarga Sisga + Vertimiento Tomine +				Rio Bogota entre Achury y Espino + Bombeo Tomine+				Rio Bogota entre Achury y Espino

						Descarga Tomine+ Retorno Riego Rio Bogota hasta Achury				Demanda Riego Rio Bogota hasta Achury				
Paraiso La Guaca	E	Embalse Neusa	Serie Neusa (Hidrologia Antigua)							Descarga Neusa				Rio Bogota entre Achury y Espino
Paraiso La Guaca	AD	Descarga Neusa		Embalse Neusa						Rio Bogota entre Achury y Espino				
Paraiso La Guaca	N	Rio Bogota entre Achury y Espino	Serie Checua (Hidrologia Antigua)			Rio Bogota hasta Achury + Vertimiento Neusa + Descarga Neusa + Vertimiento Rio Bogota hasta Achury				Compuerta Espino				
Paraiso La Guaca	AD	Compuerta Espino				Rio Bogota entre Achury y Espino				Sistema Acueducto Bogota (SanRafaelSap oTibitoc)				Rio Bogota entre Espino y Alicachin
Paraiso La Guaca	E	Embalse Chuza	Serie Chuza (Hidrologia Antigua)							Descarga Chuza				Tunel Chuza
Paraiso La Guaca	AD	Descarga Chuza		Embalse Chuza						Tunel Chuza				
Paraiso La Guaca	AD	Desviacion Rio Blanco	Serie Rio Blanco (Hidrologia Antigua)							Tunel Chuza				Tierra
Paraiso La Guaca	AD	Tunel Chuza				Vertimiento Chuza + Descarga Chuza + Desviacion Rio Blanco				Sistema Acueducto Bogota (SanRafaelSap oTibitoc)				
Paraiso La Guaca	AD	Sistema Acueducto Bogota (SanRafaelSap oTibitoc)	Serie Teusaca (Hidrologia Antigua)			Tunel Chuza + Compuerta Espino				Rio Bogota entre Espino y Alicachin + Demanda Sistema Acueducto Bogota (SanRafaelSap oTibitoc)				Rio Bogota entre Espino y Alicachin
Paraiso La Guaca	OU	Demanda Sistema Acueducto Bogota (SanRafaelSap oTibitoc)				Sistema Acueducto Bogota (SanRafaelSap oTibitoc)				Retorno Sistema Acueducto Bogota (SanRafaelSap oTibitoc)				
Paraiso La Guaca	OU	Retorno Sistema Acueducto Bogota (SanRafaelSap oTibitoc)				Demanda Sistema Acueducto Bogota (SanRafaelSap oTibitoc)				Rio Bogota entre Espino y Alicachin				
Paraiso La Guaca	N	Rio Bogota entre Espino y Alicachin	Serie Filo de Agua Alicachin (Hidrologia Antigua)			Vertimiento Compuerta Espino + Vertimiento Sistema Acueducto Bogota (SanRafaelSap oTibitoc) + Retorno Sistema				Descarga Rio Bogota entre Espino y Alicachin a Embalse Muna				Tierra

						Acueducto Bogota (SanRafaelSap oTibitoc) + Sistema Acueducto Bogota (SanRafaelSap oTibitoc) + Vertimiento Muna								
Paraiso La Guaca	AD	Descarga Rio Bogota entre Espino y Alicachin a Embalse Muna				Rio Bogota entre Espino y Alicachin		Embalse Muna						
Paraiso La Guaca	E	Embalse Muna				Descarga Rio Bogota entre Espino y Alicachin a Embalse Muna				Arco de Generacion Paraiso				Rio Bogota entre Espino y Alicachin
Paraiso La Guaca	AG	Arco de Generacion Paraiso		Embalse Muna					Planta Paraiso					
Paraiso La Guaca	P	Planta Paraiso				Arco de Generacion Paraiso				Arco de Generacion La Guaca				Arco de Generacion La Guaca
Paraiso La Guaca	AG	Arco de Generacion La Guaca			Planta Paraiso + Vertimiento Planta Paraiso				Planta La Guaca					
Paraiso La Guaca	P	Planta La Guaca				Arco de Generacion La Guaca				Tierra				

Formato 2A. Topología Plantas Hidráulicas

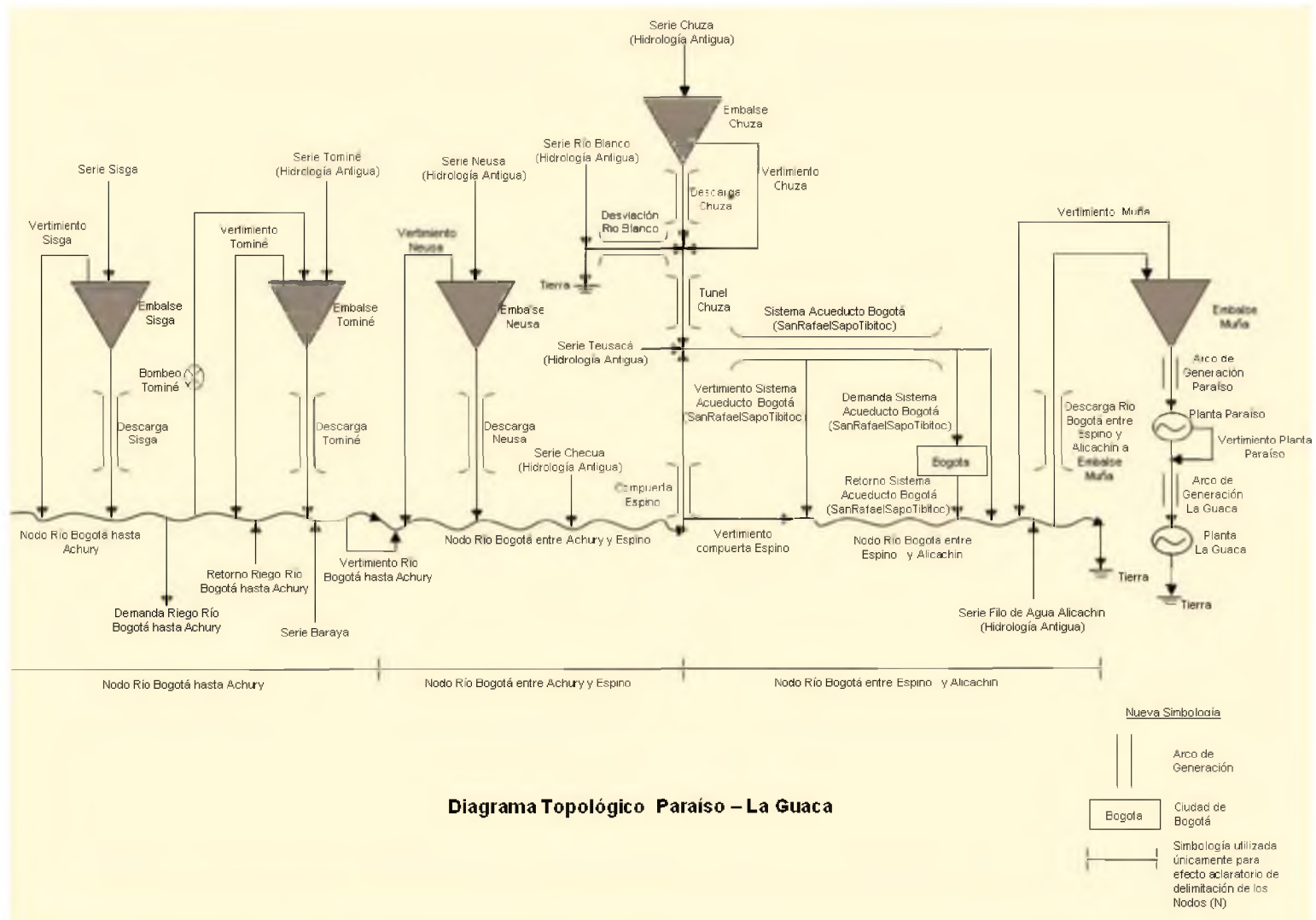
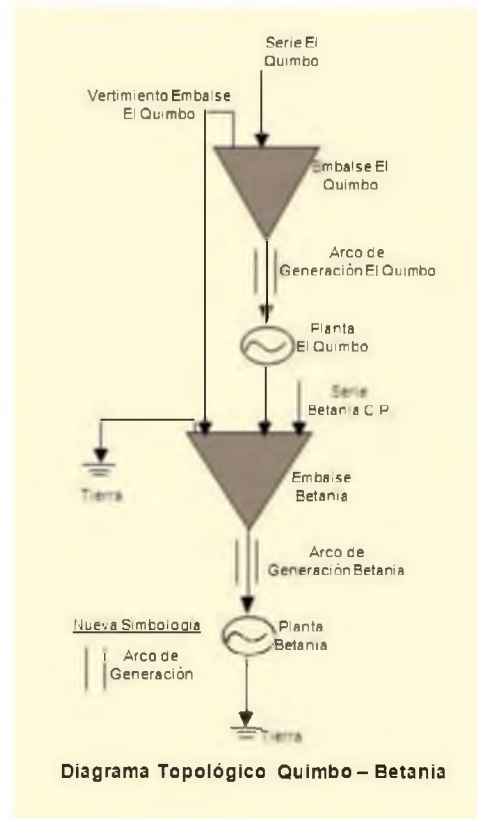
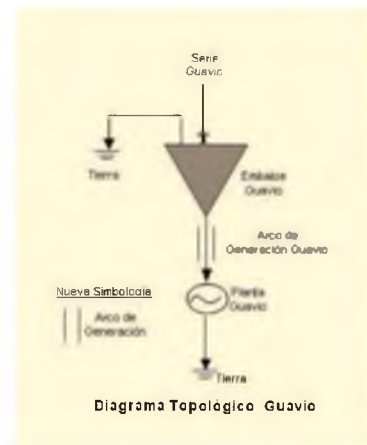


Diagrama Topológico Paraiso – La Guaca



Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
Cartagena 1	60.9	11.1879	23.025
Cartagena 2	60	11.019	21.7313
Cartagena 3	65.89	10.9365	13.9882
Termozipa 2	34.34	14.623	18.842
Termozipa 3	63.24	11.9492	17.6353
Termozipa 4	63.74	10.5505	18.1743
Termozipa 5	63.94	9.2574	21.005

Formato 4. Caudal Medio Mensual

RIO	AÑO	CAUDAL_ENERO (m3/s)	CAUDAL_FEBRE RO (m3/s)	CAUDAL_MARZ O (m3/s)	CAUDAL_ABRIL (m3/s)	CAUDAL_MAYO (m3/s)	CAUDAL_JUNIO (m3/s)	CAUDAL_JULIO (m3/s)	CAUDAL_AGOST O (m3/s)	CAUDAL_SEPTIE MBRE (m3/s)	CAUDAL_OCTU BRE (m3/s)	CAUDAL_NOVIE MBRE (m3/s)	CAUDAL_DICIE MBRE (m3/s)
Serie Checua (Hidrologia Antigua)	1965	0.64	0.59	0.35	4.09	6.16	2.14	0	1.04	4.28	5.2	9.33	3.02
Serie Checua (Hidrologia Antigua)	1966	0	0.3	0	1.2	1.66	2.29	0.4	0.06	3.64	4.49	3.39	6.25
Serie Checua (Hidrologia Antigua)	1967	0.65	0.94	0	1.59	3.54	2.6	0.39	0.02	1.23	2.12	7	1.62
Serie Checua (Hidrologia Antigua)	1968	0	0	0	2.88	2.88	4.2	0.79	0.69	0	2.11	4.84	2.1
Serie Checua (Hidrologia Antigua)	1969	0	0.19	0	2.54	3.23	2.19	0.83	0.66	0.83	5.68	4.56	1.35
Serie Checua (Hidrologia Antigua)	1970	0.17	0.46	0.08	2.08	2.74	1.68	0.47	0.68	1.74	4.81	5.88	1.33
Serie Checua (Hidrologia Antigua)	1971	0	0.28	0	4.06	4.13	1.47	0.16	0	1.55	1.95	3.79	1.18
Serie Checua (Hidrologia Antigua)	1972	1.86	0.81	0	2.63	6.12	3.94	0.16	0.91	0.61	1.95	3.52	1.18
Serie Checua (Hidrologia Antigua)	1973	0	0	0	0.71	1.73	1.71	0.59	0.57	2.53	3.12	4.4	2.31
Serie Checua (Hidrologia Antigua)	1974	0.05	1.48	0.83	3.18	4.36	1.95	0.79	0.49	2.65	3.86	6.16	1.67
Serie Checua (Hidrologia Antigua)	1975	0	1.27	1.08	3.5	3.6	2.18	1.21	0.99	2.49	3.47	5.46	4.67
Serie Checua (Hidrologia Antigua)	1976	0.09	0	0.04	3.29	3.29	2.56	2.22	0.55	2.02	3.74	5.29	2.08
Serie Checua (Hidrologia Antigua)	1977	0.36	0.28	0.06	2.75	2.78	2.86	1.16	1.92	3.25	4.43	7.41	1.62
Serie Checua (Hidrologia Antigua)	1978	0.77	0.31	1.36	4.86	4.36	6	3.39	3.05	3.77	4.64	4.77	2.46
Serie Checua (Hidrologia Antigua)	1979	0.06	0.68	3.24	5.9	9.67	11.19	7.34	7.27	6.75	15.57	17.06	5.26
Serie Checua (Hidrologia Antigua)	1980	1.53	1.37	0.87	2.91	3.66	4.17	3.4	2.71	2.19	6.3	3.44	1.13
Serie Checua (Hidrologia Antigua)	1981	0.19	0.26	0.57	4.18	11.46	10.73	7.78	3.94	3.85	6.86	8.44	2.01
Serie Checua (Hidrologia Antigua)	1982	2.45	2.17	3.15	10.18	9.74	3.95	3.86	1.82	2.72	6.21	4.67	3.21

Serie Checua (Hidrologia Antigua)	1983	0.66	0.1	0.74	3.92	0.65	0.52	1.15	2.14	0	0.65	1.35	0.13
Serie Checua (Hidrologia Antigua)	1984	0	0.66	0.41	1.62	2.8	5.42	3.23	4.56	7.68	3.12	4.31	1.7
Serie Checua (Hidrologia Antigua)	1985	1.07	0	0	0.39	3.2	4.9	3.5	2.99	3.93	3.71	9.99	4.67
Serie Checua (Hidrologia Antigua)	1986	1.22	9.91	8.58	0	6.11	6.17	2.88	0	8.12	12.36	0.98	0
Serie Checua (Hidrologia Antigua)	1987	0	1.42	2.56	5.36	2.55	0.65	1.06	0	0	1.6	1.35	2.46
Serie Checua (Hidrologia Antigua)	1988	10.05	3.96	5.19	6.88	0	0	0	0.66	3.95	5.58	5.41	2.47
Serie Checua (Hidrologia Antigua)	1989	0	0.54	1.74	0.59	3.21	1.26	1.25	0.06	0.69	1.69	1.44	1.48
Serie Checua (Hidrologia Antigua)	1990	0	0.04	0	0	0.36	0	0	0	0	0.06	0.07	0.07
Serie Checua (Hidrologia Antigua)	1991	0	0	0.39	0	0	0	0.65	0.69	0.57	0.81	3.98	2.93
Serie Checua (Hidrologia Antigua)	1992	2.14	5.58	0	0.59	0.12	0	0	0.3	0	0.02	1.05	1.47
Serie Checua (Hidrologia Antigua)	1993	0.31	0	0	0.16	1.56	0	0	0.94	0	0	0.1	0
Serie Checua (Hidrologia Antigua)	1994	0	0	0.06	0.25	1.11	0.07	0	0	0.06	2.02	1.79	0.21
Serie Checua (Hidrologia Antigua)	1995	0	0	0.45	0.56	0.15	0.4	0.31	1.66	0.32	0.56	0.36	1.52
Serie Checua (Hidrologia Antigua)	1996	0.01	1.08	2.52	1.35	2.03	2.04	1.9	0	0	2.47	0	0
Serie Checua (Hidrologia Antigua)	1997	1.83	0	0	0	0	0.38	2.78	1.51	0.51	1.2	1.49	0.18
Serie Checua (Hidrologia Antigua)	1998	0.18	0	0	0.98	4.57	2.3	2.67	2.43	0	3.76	1.34	2.09
Serie Checua (Hidrologia Antigua)	1999	0.53	0	1.28	1.24	0.61	0.42	0.72	0.81	2.4	6.94	5.23	0.67
Serie Checua (Hidrologia Antigua)	2000	0	0	1.59	1.14	0.33	0.19	0.61	0	3.4	3.33	3.83	0.31
Serie Checua (Hidrologia Antigua)	2001	0.42	0.63	1.07	0.26	0.55	0.54	1.6	2.4	3.22	1.55	1.35	1.34
Serie Checua (Hidrologia Antigua)	2002	0.34	1.45	1.59	3.18	3.83	7.45	4.87	4.12	4.4	3.65	2.15	1.45
Serie Checua (Hidrologia Antigua)	2003	0.22	0.87	1.63	2.94	2.22	1.82	2.31	1.75	1.26	2.69	2.92	1.95
Serie Checua (Hidrologia Antigua)	2004	0.61	0.1	0.08	1.11	4.04	3.65	2.13	3.73	3.7	4.25	5.64	1.3
Serie Checua (Hidrologia Antigua)	2005	0.1	0.18	0.02	0.68	3.72	2.16	1.78	2.09	2.88	6.9	6.58	2.02
Serie Checua (Hidrologia Antigua)	2006	0.32	0	0.2	2.25	10.37	6.09	3.29	0	0	0.81	1.66	0.32

Serie Checua (Hidrologia Antigua)	2007	0	0.64	0.07	4.08	2.11	2.53	2.78	1.57	5.1	0.65	0.24	0.17
Serie Checua (Hidrologia Antigua)	2008	0	0	0	0	0.59	0.67	0.82	0.94	0.53	1.09	2.7	1.98
Serie Checua (Hidrologia Antigua)	2009	0	0	0	0.26	0.15	0.08	0.5	0.56	0.37	0.39	0.44	0
Serie Checua (Hidrologia Antigua)	2010	0	0	0	2.06	1.7	1.93	4.04	0.42	0	1.34	5.52	4.33
Serie Baraya	1944	0.65	0.39	0.52	2.59	9.08	7.91	7.91	3.37	2.21	1.95	2.08	0.65
Serie Baraya	1945	0.52	0.26	0.26	2.59	8.95	4.28	5.45	5.45	1.43	1.56	1.43	0.65
Serie Baraya	1946	0.65	0.26	0.39	0.65	2.72	4.67	9.73	12.06	3.24	1.04	0.91	0.78
Serie Baraya	1947	0.26	0.39	0.26	0.26	0.91	5.06	11.16	5.97	2.98	8.17	1.82	0.52
Serie Baraya	1948	0.39	0.39	0.26	1.3	2.59	4.41	5.97	3.24	2.46	1.17	3.24	0.91
Serie Baraya	1949	0.39	0.39	0.39	2.85	4.02	4.02	6.49	6.1	2.72	1.82	3.37	1.43
Serie Baraya	1950	0.78	1.04	2.46	0.78	5.32	5.32	6.1	4.15	2.08	2.98	3.11	2.34
Serie Baraya	1951	1.04	1.17	2.98	3.63	6.88	8.43	16.09	5.84	2.85	6.36	5.58	1.3
Serie Baraya	1952	0.78	0.65	0.52	3.89	4.15	6.23	11.03	7.14	2.98	2.21	5.71	2.34
Serie Baraya	1953	0.78	0.78	1.04	1.3	4.02	5.84	4.28	2.46	2.21	4.15	3.89	1.56
Serie Baraya	1954	0.78	0.65	0.52	1.82	3.89	6.62	8.17	6.1	2.21	6.75	4.28	1.82
Serie Baraya	1955	1.32	0.87	2.11	2.5	3.97	2.83	4.89	3.36	3.24	3.78	3.98	2.89
Serie Baraya	1956	2.45	1.57	2.98	1.62	2.14	6.68	6.02	8.16	4.81	9.02	3.36	2.15
Serie Baraya	1957	0.7	0.45	0.82	0.96	8.54	8.34	10.22	7.86	3.59	4.1	3.63	2.06
Serie Baraya	1958	0.74	0.39	0.54	0.92	2.22	3.55	8.78	5.97	3.01	1.31	1.78	0.75
Serie Baraya	1959	0.4	0.45	0.52	0.78	2.62	4.41	8.43	5.62	5.2	4.48	3.81	1.23
Serie Baraya	1960	0.71	0.57	0.45	0.82	1.7	2.92	5.7	10.04	5.89	2.17	1.61	2.06
Serie Baraya	1961	0.49	0.34	0.43	0.86	0.57	5.93	5.75	5.92	1.65	2.7	4.62	0.87
Serie Baraya	1962	0.42	0.35	0.52	0.42	2.61	4.85	8.42	5.47	2.54	2.27	2.52	1.17
Serie Baraya	1963	0.54	0.43	0.38	1.06	9.04	6.49	7.93	8.13	3.32	1.04	3.01	1.02
Serie Baraya	1964	0.39	0.32	0.34	0.56	2.04	5.32	5.89	3.31	3.32	1.82	2.59	1.23
Serie Baraya	1965	0.57	0.36	0.43	2.4	6.97	6.47	13.27	9.41	2.69	4.37	5.15	1.8
Serie Baraya	1966	0.77	0.4	1.19	1.01	0.67	1.4	3.63	3.81	1.86	1.36	2.21	4.1
Serie Baraya	1967	0.79	0.35	0.53	2.52	5.51	10.69	9.22	15.11	4.26	1.79	2.93	1.74
Serie Baraya	1968	0.4	0.4	0.3	3.52	1.63	7.25	15.07	9.9	2.63	2.87	2.09	0.79
Serie Baraya	1969	1.12	0.62	0.23	1.87	3.9	3.58	9.94	5.33	1.58	7.77	4.03	1.13
Serie Baraya	1970	1.88	1.47	0.77	1.31	3.31	6.06	5.9	5.93	3.3	7.17	3.5	1.56
Serie Baraya	1971	1.21	0.79	0.93	2.37	5.6	5.22	8.67	4.44	3.18	1.65	2.01	1.18
Serie Baraya	1972	2.93	2.09	1.91	7.34	7.06	8.81	12.99	5.31	4.72	1.39	2	0.84
Serie Baraya	1973	0.64	0.48	0.39	0.52	2.46	2.19	4.97	5.54	7.65	3.06	4.13	2.17
Serie Baraya	1974	0.75	0.83	0.91	2.05	2.21	2.46	5.22	3.78	1.98	2.17	2.67	1.1
Serie Baraya	1975	0.58	0.65	1.08	0.79	1.48	5.92	2.8	4.99	2.87	2.82	3.42	3.52
Serie Baraya	1976	1.08	0.49	1.17	2.79	10.31	17.18	20.64	6.1	4.32	6.28	5.38	1.92
Serie Baraya	1977	0.42	0.25	0.25	1.15	1.52	4.01	6.58	4.92	6.91	2.35	5.45	0.65
Serie Baraya	1978	0.27	0.34	0.34	2.65	2.61	8.16	6.05	7.99	3.52	3.33	1.15	0.96
Serie Baraya	1979	0.7	0.6	0.7	2.37	3.61	8.99	5.06	6.16	2.58	8.26	8.95	5.02
Serie Baraya	1980	1.25	0.92	0.74	1.32	1.74	7.46	6.99	3.76	3.72	5.06	1.48	0.96
Serie Baraya	1981	0.75	0.67	0.8	2.08	7.33	4.7	2.89	3.18	2.74	4.92	2.53	1.21
Serie Baraya	1982	1.04	0.83	1.35	6.94	5.27	5.82	11.94	11.01	5.64	2.51	1.74	1.17
Serie Baraya	1983	1.01	1.3	1.77	3.64	2.74	3.37	8.54	8.07	2.97	3.12	1.68	1.16
Serie Baraya	1984	0.24	0.21	0.25	0.37	1.1	7.61	5.88	6.5	5.99	1.98	2.65	0.92
Serie Baraya	1985	0.32	0.17	0.45	1.42	3.02	10.35	6.88	5.58	5.31	6.3	5.92	4.11
Serie Baraya	1986	0.26	1.33	3.74	1.71	2.92	10.53	14.52	8.8	3.17	5.72	3.19	1.41
Serie Baraya	1987	0.27	0.2	0.21	1.06	3.64	5.18	10.1	6.98	3.13	4.67	3.24	1.84
Serie Baraya	1988	0.39	0.28	0.18	0.95	1.82	3.71	7.63	2.06	2.27	4.03	6.72	5.36
Serie Baraya	1989	0.89	0.76	4.31	2.31	5.55	7.63	12.02	3.28	2.47	2.82	3.21	2.3
Serie Baraya	1990	0.74	1	1.67	2.15	8.55	8.94	10.4	7.16	2.29	2.63	2.91	2.89
Serie Baraya	1991	1.12	0.9	1.58	1.91	2.57	3.47	12.19	12.59	4.6	1.67	2.53	0.96
Serie Baraya	1992	0.62	0.54	0.69	1.28	1.56	3.16	10.32	8.54	2.3	1.64	2.41	1.73
Serie Baraya	1993	0.86	0.8	1.09	1.74	3.33	7.47	6.98	4.47	2.59	1.42	1.81	2.16
Serie Baraya	1994	0.93	0.92	1.19	1.56	3.95	4.7	13.23	7.01	4.38	6.88	3.15	1.33
Serie Baraya	1995	0.71	0.55	0.74	1.18	1.91	3.55	3.42	2.02	1.52	1.32	1.56	1.33
Serie Baraya	1996	1.08	1.47	2.16	0.95	3.38	3.04	9.06	3.83	2.1	3.46	1.45	1.46
Serie Baraya	1997	1.78	1.38	0.81	1.15	2.74	2.78	19.36	7.46	1.42	0.83	1.21	0.57
Serie Baraya	1998	0.46	0.4	0.44	0.78	3.97	7.57	11.01	2.49	0.74	1.48	1.81	1.72
Serie Baraya	1999	0.55	0.59	1.12	2.11	1.82	2.67	2.93	3.14	4.82	4.79	3.76	2.03
Serie Baraya	2000	0.84	1.09	1.68	1.52	3.18	4.76	5.73	6.03	4.19	1.78	4.4	1.36

Serie Baraya	2001	0.93	0.97	1.01	0.9	1.77	4.61	4.29	9.49	4.54	1.59	3.12	3.56
Serie Baraya	2002	1.54	1.01	1.03	2.99	6.54	13.4	11.26	12.6	2.98	2.02	3.21	1.06
Serie Baraya	2003	0.67	0.55	1.56	1.49	3.73	3.03	7.56	3.86	2.99	3.82	3.44	2.75
Serie Baraya	2004	1.04	0.79	1.11	2.3	5.75	12.15	5.99	7.28	2.99	2.9	2.24	1.33
Serie Baraya	2005	0.95	0.98	0.9	2.46	3.78	3.18	4.71	5.2	5.8	3.97	5.81	1.14
Serie Baraya	2006	1.06	0.79	0.93	5.38	4.62	9.35	10.27	4.26	1.74	3.51	3.39	1.78
Serie Baraya	2007	0.91	0.67	0.85	1.77	2.47	5.45	3.9	3.82	2.7	3.98	2.68	1.55
Serie Baraya	2008	1.37	1.26	1.45	1.67	3.08	4.78	6.2	3.87	2.66	2.36	6.72	2.68
Serie Baraya	2009	1.06	1.17	1.13	1.74	1.88	2.9	5.52	5.37	2.37	1.92	1.62	1.03
Serie Baraya	2010	0.96	0.97	1.04	2.13	3.1	3.01	5.01	2.42	1.73	3.49	5.74	3.07
Serie Betania C.P.	1972	217.41	201.58	208.33	306.13	257.55	243.88	221.04	72.63	118.42	61.94	238.77	152.01
Serie Betania C.P.	1973	60.32	68.13	79.31	126.75	176.58	184.21	211.2	219.41	251.75	221.34	314.94	368.25
Serie Betania C.P.	1974	238.61	404.9	378.41	309.97	281.4	222.34	273.2	208.86	190.34	239.44	328.88	226.32
Serie Betania C.P.	1975	116.37	153.53	232.73	154.06	306.75	295.14	242.14	258.37	220.94	262.62	379.14	374.55
Serie Betania C.P.	1976	194.83	250.1	279.68	373.56	333.23	272.88	371.33	254.06	220.63	262.72	257.91	194.1
Serie Betania C.P.	1977	93.84	113.2	110.37	207.41	223.94	240.05	183	156.57	189.26	245.25	312.13	133.46
Serie Betania C.P.	1978	96.58	87.26	108.52	279.94	201.53	214.12	175.68	182.13	131.08	151.38	113.07	169.15
Serie Betania C.P.	1979	89.64	85.03	243.73	294.78	239.75	323.57	194.75	145.87	163.08	169.67	326.97	154.28
Serie Betania C.P.	1980	137.48	213.68	151.77	249.75	198.63	285.61	200.08	130.14	117.5	215.97	134.9	179.87
Serie Betania C.P.	1981	123.42	150.79	160.29	209.86	424.14	239.24	226.09	156.8	132.77	153.57	309.33	170.41
Serie Betania C.P.	1982	377.04	289.29	275.18	339.69	353.73	227.84	303.4	197.1	182.52	230.27	187.01	250.69
Serie Betania C.P.	1983	126.68	75.49	151.76	311.73	248.29	130.68	136.47	222.17	108.14	137.09	131.85	215.74
Serie Betania C.P.	1984	297.97	235.48	147.26	235.43	264.87	228.67	261.52	214.04	209.62	291.54	354.95	320.59
Serie Betania C.P.	1985	179.4	112.33	103.34	169.79	207.5	314.86	303.25	248.48	160.26	177.03	186.28	177.52
Serie Betania C.P.	1986	154.38	246.97	357.44	268.03	189.03	323.02	442.91	174.21	142.44	460.17	300.22	95.63
Serie Betania C.P.	1987	62.79	62.78	87.35	195.02	224.48	143.05	170.14	211.49	129.42	200.14	152.6	137.82
Serie Betania C.P.	1988	53.2	81.77	64.72	131.74	149.56	264.36	372.65	151.13	126.16	168.51	313.95	265.27
Serie Betania C.P.	1989	152.54	148.24	274.58	143.39	272.47	185.68	214.56	124.61	131.76	193.82	192.97	127.5
Serie Betania C.P.	1990	117.73	128.03	123.86	189.9	330.85	249.39	265.05	196.57	100.5	148.95	143.07	184.27
Serie Betania C.P.	1991	85.46	76.06	155.13	172.48	198.07	155.03	262.91	270.93	196.71	128.87	183.2	197.35
Serie Betania C.P.	1992	94.08	77.75	58.63	128.17	97.05	146.66	279.08	199.3	81	79.71	148.97	164.72
Serie Betania C.P.	1993	88.79	116.33	223.8	245.96	251.56	249.62	208.73	157.98	119.69	119.08	310.34	267.57
Serie Betania C.P.	1994	172.36	167	257.71	330.61	361.12	387.9	309.35	260.03	179.94	193.68	225.05	172.03
Serie Betania C.P.	1995	70.24	52.89	124.99	245.94	189.66	179.58	209.63	110.07	93.79	160.48	176.62	133.46
Serie Betania C.P.	1996	131.24	235.73	323.08	212.01	220.08	233.28	345.24	171.44	111.1	227.27	145.79	183.15
Serie Betania C.P.	1997	240.54	138.52	111.01	149.77	239.32	146.21	366.37	151.19	76.96	79.78	119.32	68.75
Serie Betania C.P.	1998	30.49	29.71	59.47	166.69	202.78	290.93	231.2	124.2	98.06	153.84	189.53	144.48
Serie Betania C.P.	1999	248.16	348.06	211.37	330.43	258.55	209.89	155.66	151.04	156.84	146.62	170.87	324.28
Serie Betania C.P.	2000	184.98	268.88	282.32	228.79	389.02	162.87	111.05	190.25	126.66	104.41	150.12	110.42
Serie Betania C.P.	2001	85.61	82.51	154.04	126.45	180.83	246.31	108.48	202.26	138.22	58.2	140.56	162.46

Serie Betania C.P.	2002	66.13	44.67	144.04	184.19	183.5	365.47	211	217.42	90.8	123.89	126.04	117.02
Serie Betania C.P.	2003	61.32	68.36	102.58	159.19	209.25	173.01	178.64	125.42	100.3	150.54	156.02	156.06
Serie Betania C.P.	2004	131.28	86.01	65.11	184.52	162.63	198.84	135.12	186.05	68.88	135.76	192.61	158.95
Serie Betania C.P.	2005	100.18	168.17	171.91	195	160.28	139.09	131.86	144.8	107.82	149.04	111.83	233.47
Serie Betania C.P.	2006	199.49	142.03	277.41	298.4	188.93	297.11	276.59	152.26	123.65	122.4	254.66	240.68
Serie Betania C.P.	2007	81.25	63.4	105.27	273.62	248.27	423.88	196.71	173.89	92.44	247.92	251.24	259.16
Serie Betania C.P.	2008	180.68	210.59	241.13	203.77	299.84	306.31	381.38	170.87	160.21	186.02	311.15	301.9
Serie Betania C.P.	2009	272.69	200.95	255.74	203.95	162.99	234.07	191.42	185.2	101.89	128.94	123.49	88.82
Serie Betania C.P.	2010	52.56	69.52	81.13	187.34	262.28	202.59	274.07	150.07	108.86	115.35	320.27	288.82
Serie Chuza (Hidrologia Antigua)	1967	5.48	2.22	7.42	13	18.9	35.97	29.26	31.27	11.06	16.99	10.7	3.97
Serie Chuza (Hidrologia Antigua)	1968	1.63	1.58	1.84	23.18	8.08	28.93	40.43	17.56	13.47	12.55	8.91	4.56
Serie Chuza (Hidrologia Antigua)	1969	3.65	3.84	3.89	14.57	13.88	15.64	15.42	17.41	9.77	14.96	11.59	6.3
Serie Chuza (Hidrologia Antigua)	1970	8.24	3.48	11.01	17.66	18.05	31.29	21.75	20.5	17.12	17.7	13.33	6.2
Serie Chuza (Hidrologia Antigua)	1971	3.37	4.76	12.86	16.1	19.56	25.67	30.6	20.07	15.55	11.39	9.47	5.44
Serie Chuza (Hidrologia Antigua)	1972	11.9	5.46	8.37	16.91	23.43	26.63	27.61	18.88	15.23	8.93	8.77	4.25
Serie Chuza (Hidrologia Antigua)	1973	2.18	1.7	2.15	5.31	20.82	26.16	21.14	19.62	23.71	12.91	14.13	9.75
Serie Chuza (Hidrologia Antigua)	1974	3.89	3.51	4.75	13.01	17.89	17.68	23	18.25	12.33	9.29	8.54	2.23
Serie Chuza (Hidrologia Antigua)	1975	1.74	1.6	8.35	7.81	22.85	31.19	14.07	16.27	11.95	13.92	8.43	9.93
Serie Chuza (Hidrologia Antigua)	1976	4.91	2.39	5.65	18.17	29.72	31.12	33.8	19.14	13.59	12.63	9.52	5.74
Serie Chuza (Hidrologia Antigua)	1977	1.63	3.47	4.61	7.57	14.14	20.79	23.97	20.1	16.32	14.31	13.09	5.99
Serie Chuza (Hidrologia Antigua)	1978	1.57	3.22	3.43	13.88	16.26	25.75	17.64	15.03	11.63	12.65	4.12	3.64
Serie Chuza (Hidrologia Antigua)	1979	1.44	1.1	3.97	11.81	10.11	20.19	13.73	12.63	8.56	16.24	12.82	7.3
Serie Chuza (Hidrologia Antigua)	1980	3.18	2.05	4.36	12.17	9.1	25.62	17.25	14.53	11.82	13.79	5.83	2.78
Serie Chuza (Hidrologia Antigua)	1981	1.49	4.07	4.85	12.83	22.09	20.54	16.36	11.49	11.75	14.23	6.97	3.56
Serie Chuza (Hidrologia Antigua)	1982	1.73	2.89	3.72	17.25	16.65	12.95	31.4	20.78	13.36	16.1	8.55	3.33
Serie Chuza (Hidrologia Antigua)	1983	4.74	4.89	13.82	15.62	13.08	25.64	29.03	29.42	23.22	12.16	5.18	5.42
Serie Chuza (Hidrologia Antigua)	1984	1.61	10.97	2.36	5.22	16.31	23.82	20.89	15.9	17.68	7.73	9.74	2.88

Antigua)													
Serie Chuza (Hidrologia Antigua)	1985	2.36	1.21	1.56	5.74	11.82	24.29	19.71	23.99	18.46	20.06	14.53	5.96
Serie Chuza (Hidrologia Antigua)	1986	1.27	6.33	6.77	8.76	12.31	30.54	30.54	16.71	7.45	13.36	7.12	3.93
Serie Chuza (Hidrologia Antigua)	1987	2.78	4.09	4.23	10.49	13.09	12.91	28.47	18.99	9.48	9.88	7.33	6.31
Serie Chuza (Hidrologia Antigua)	1988	1.56	2.44	2.25	7.58	13.8	19.52	27.55	12.48	12.37	8.04	14.42	7.26
Serie Chuza (Hidrologia Antigua)	1989	3.56	4.81	7.09	10.81	20.22	28.44	23.81	13.56	9.39	14.38	8.38	4.82
Serie Chuza (Hidrologia Antigua)	1990	5.44	4.49	12.94	12.36	27.01	22.71	19.17	15.12	9.99	8.15	7.56	7.08
Serie Chuza (Hidrologia Antigua)	1991	2.14	3.55	4.28	8.66	14.51	19.7	38.2	24.49	9.15	7.39	10.73	1.9
Serie Chuza (Hidrologia Antigua)	1992	1.21	1.45	2.58	8.7	8.94	15.28	29.91	18.53	11.89	7.67	9.3	3.61
Serie Chuza (Hidrologia Antigua)	1993	3.25	4	7.9	18.87	16.02	24.11	27.88	16.64	10.15	11.49	10.47	4.35
Serie Chuza (Hidrologia Antigua)	1994	1.78	2.12	5.09	12.45	24.23	28.52	28.75	19.58	14.53	10.68	8.22	5.42
Serie Chuza (Hidrologia Antigua)	1995	2.4	1.02	5.45	8.58	16.01	19.02	16.91	9.18	9.14	8.18	6.29	2.71
Serie Chuza (Hidrologia Antigua)	1996	2.07	10.52	6.58	11.83	23.56	18.75	27.26	15.13	8.14	10.65	6.86	7.19
Serie Chuza (Hidrologia Antigua)	1997	4.15	9.66	4.01	11.71	19.54	26.7	23.98	13.36	6.93	5.68	3.78	1.48
Serie Chuza (Hidrologia Antigua)	1998	0.66	0.51	2.26	9.47	22.55	28.95	30.97	17.7	6.37	9.07	6.79	8.08
Serie Chuza (Hidrologia Antigua)	1999	5.21	8.23	6.7	20.55	12.76	21.73	10.05	9.05	11.16	13.34	5.9	3.81
Serie Chuza (Hidrologia Antigua)	2000	4.5	5.15	5.25	10.7	26.85	20.64	15.32	13.69	10.04	9.02	9.98	6.55
Serie Chuza (Hidrologia Antigua)	2001	2.22	3.36	4.11	11.78	19.16	22.09	17.82	19.46	19.54	5.83	10.17	3.63
Serie Chuza (Hidrologia Antigua)	2002	2.32	1.4	10.37	15.57	22.69	17.16	31.65	31.25	33.6	23.63	7.56	2.82
Serie Chuza (Hidrologia Antigua)	2003	0.8	1.34	7.79	13.39	23.76	15.44	38.17	38.45	33.96	11.13	13.9	6.19
Serie Chuza (Hidrologia Antigua)	2004	1.74	1.67	8.51	7.92	15.64	33.54	17.85	16.11	5.24	8.12	8.02	3.27
Serie Chuza (Hidrologia Antigua)	2005	1.97	2.91	1.64	10.93	16.42	15.65	12.36	13.88	12.96	9.84	11.41	1.96
Serie Chuza (Hidrologia Antigua)	2006	2.15	1.09	7.76	16.45	18.73	20.23	21.49	12.38	6.36	10.73	9.22	2.41
Serie Chuza (Hidrologia Antigua)	2007	0.81	0.48	3.17	12.33	14.96	31.55	13.85	14.51	9.52	10.01	8.07	8.6
Serie Chuza	2008	2.28	1.79	2.95	2.95	17.65	24.45	23.69	10.54	9.16	4.57	10.04	2.28

(Hidrologia Antigua)													
Serie Chuza (Hidrologia Antigua)	2009	2.95	5.4	5.84	13.01	8.79	18.9	25.22	9.05	4.95	7.1	5.4	0.7
Serie Chuza (Hidrologia Antigua)	2010	0.3	2.19	4.23	16.83	18.08	19.53	17.32	8.78	5.75	6.9	12.73	5.04
Serie El Quimbo	1972	247.59	142.72	184.27	198.07	332.15	281.02	531.46	279.27	275.58	181.16	255.13	175.69
Serie El Quimbo	1973	100.28	103.37	119.49	120.35	184.52	190.39	297.2	300.09	257.35	170.96	179.46	193.65
Serie El Quimbo	1974	142.49	257.5	201.89	220.43	221.4	273.06	396.5	304.04	232.96	235.16	308.52	172.28
Serie El Quimbo	1975	147.23	196.17	230.67	197.24	248.75	408.56	304.46	318.53	256.46	227.88	283.36	268.15
Serie El Quimbo	1976	148.27	166.1	316.72	339.44	460.57	479.52	626.82	408.14	301.07	213.28	218.09	182.1
Serie El Quimbo	1977	88.76	104.15	129.23	202.89	271.06	302.85	344	258.63	346.74	281.05	243.87	141.74
Serie El Quimbo	1978	114.32	112.24	146.08	299.86	205.27	302.68	302.57	283.27	203.02	196.12	152.73	155.15
Serie El Quimbo	1979	89.36	75.27	168.37	244.02	255.35	335.43	324.4	223.93	203.42	174.83	232.33	194.92
Serie El Quimbo	1980	146.12	123.62	172.63	279.45	285.87	367.29	329.92	264.56	212.7	246.13	156.7	120.93
Serie El Quimbo	1981	92.28	147.61	161.71	241.84	302.56	275.16	361.11	191.1	212.53	192.53	236.27	175.59
Serie El Quimbo	1982	225.41	185.11	225.12	257.41	270.67	267.56	423.8	355.1	290.88	227.43	196.19	213.81
Serie El Quimbo	1983	198.32	220.91	237.24	335.12	346.91	250.62	288.33	349.93	201.46	236.81	198.45	204.26
Serie El Quimbo	1984	226.08	230.92	150.64	221.02	245.13	336.43	348.73	274.76	190.38	274.96	280.85	188.01
Serie El Quimbo	1985	129.45	97.37	103.86	144.61	240.3	415.84	363.15	351.62	216.74	185.47	188.12	120.38
Serie El Quimbo	1986	132.67	163.43	215.16	216.47	216.77	425.88	575.99	274.29	275.26	343.23	255.28	180.67
Serie El Quimbo	1987	143.81	161.12	138.85	271.98	293.12	313.55	355.46	400.01	192.38	248.76	164.9	152.58
Serie El Quimbo	1988	99.7	131.23	106.98	161.36	205.44	365.74	410.15	211.67	181.54	180.09	319.15	205.53
Serie El Quimbo	1989	207.46	195.56	296.02	214.31	345.53	434.52	465.24	279.89	214.24	254.18	254.23	135.8
Serie El Quimbo	1990	151.27	187.77	223.94	229.9	338.95	439.31	382.15	328.63	232.7	190.25	189.83	185.03
Serie El Quimbo	1991	111.24	113.44	138.97	169.42	191.93	298.87	508.09	439.07	319.39	175.83	229.5	150.75
Serie El Quimbo	1992	122.32	126.25	125.77	202.03	153.95	229.64	369.22	340.2	173.3	142.98	139.43	136.78
Serie El Quimbo	1993	109.01	121.27	220.7	223.24	251.74	401.98	365.67	294.32	209.41	171.62	238.46	205.23
Serie El Quimbo	1994	153.74	169.1	226.79	383.69	389.08	466.6	392.35	361.77	257.26	214.92	210.35	193.67
Serie El Quimbo	1995	118.96	95.21	158.01	230.96	251.64	267.02	272.37	155.13	155.11	160.38	174.33	119.97
Serie El Quimbo	1996	134.48	219.8	206.77	186.47	262.11	269.77	378.08	231.81	191.18	250.78	155.15	167.09
Serie El Quimbo	1997	201.92	210.33	174.33	178.95	397.48	229.19	474.57	300.44	153.07	125.54	137.09	103.61
Serie El Quimbo	1998	67.74	132.72	111.9	179.68	190.08	418.97	368.11	231.96	158.69	161.97	203.58	150.99
Serie El Quimbo	1999	240.06	292.54	176.94	366.53	269.82	294.36	262.84	261.44	215.61	189.09	194.23	234.73
Serie El Quimbo	2000	162.49	173.92	218.19	204.8	458.76	340.7	288.15	357.2	244.48	235.54	218.16	174.86
Serie El Quimbo	2001	127.69	123.46	178.34	224.55	238.04	398.06	342.17	331.94	219.01	177.14	184.75	216.6
Serie El Quimbo	2002	115.83	102.13	167.12	231.5	337.16	384.72	369.18	361.8	208.83	183.05	204.9	171.66
Serie El Quimbo	2003	91.44	113.74	148.72	162.38	289.82	216.26	305.5	205.96	185.07	216.85	188.96	172.68
Serie El Quimbo	2004	121.99	75.78	146.05	233.22	255.71	462.29	328.2	335.47	238.51	190.83	207.93	187.73
Serie El Quimbo	2005	137.73	205.26	134.58	323.61	265.82	360.62	309.39	307.24	239.8	236.06	318.18	227.16
Serie El Quimbo	2006	196.14	169.35	266.23	265.18	234.89	387.83	342.69	233.49	170.54	189.62	275.03	245.94
Serie El Quimbo	2007	137.24	96.24	207.32	230.79	315.58	577.64	248.91	266.57	209.1	278.16	278.49	249.23
Serie El Quimbo	2008	156.8	219.14	199.95	234.32	248.93	342.88	394.22	238.84	203.41	214.36	243.15	255.27
Serie El Quimbo	2009	235.93	273.11	280.37	251.41	219.15	289.02	391.49	292.11	184.51	157.74	118.38	94.25
Serie El Quimbo	2010	65.28	86.44	106.62	275.68	218.65	272.25	262.49	170.65	126.03	141.68	232.51	144.74
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1965	0.15	0	0	9.88	30.61	11.18	9.14	7.28	0	11.64	30.71	17.38
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1966	0	0	3.1	2.85	3.88	7.52	6.6	8.81	2.58	10.02	14.73	47.38
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1967	3.95	4.68	1.89	9.27	23.76	34.22	22.7	18.97	6.34	5.7	12.96	10.74
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1968	2.39	4.06	4.13	16.89	12.91	33.52	22.56	14.66	12.76	21.26	26.38	12.66
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1969	4.15	4.69	0	20.12	24.04	17.17	14.21	8.36	1.72	45.17	27.51	12.53
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1970	6.07	5.51	4.03	3.33	10.36	12.3	10.12	7.69	8.02	29.02	40.15	10.52

Antigua)													
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1971	10.21	13.24	14.47	34.33	42.69	32.29	15.41	14.03	18.31	16.09	24.4	11.93
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1972	16.89	11.25	7.12	24.36	49.72	0.76	9.22	0	0	3.11	14.01	0
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1973	0	0	0	0	1.11	2.79	5.42	7.85	21.57	12.4	17.67	24.38
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1974	5.09	14.99	14.32	13.52	26.17	7.77	9.01	7.67	6.8	10.97	31.29	10.76
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1975	0	2.79	5.81	1.53	16.64	18.51	13.02	11.19	15.23	11.84	26.49	42.83
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1976	12.55	7.83	8.72	33.13	41.35	35.86	50.93	13.06	0	16.24	25.02	6.15
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1977	0	1.17	0	3.37	8.57	4.32	9.56	4.74	8.3	14.07	29.47	3.23
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1978	2.27	0.89	2.14	14.9	10.67	19.34	13.8	6.8	4.52	8.42	5.23	3.54
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1979	0.53	0	3.77	3.07	22.99	33.25	9.75	4.73	13.01	10.5	57.5	34.6
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1980	9.84	7.04	0.87	0	3.81	21.19	8.26	2.43	6.8	8.35	3.16	4.45
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1981	0	0.57	0	8.58	31.29	15.13	1.09	0	4.02	6.42	18.14	5.92
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1982	4.85	2.49	6.54	44.84	38.86	9.54	4.16	5.08	4.23	11	3.5	3.85
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1983	0	0	8.99	22.26	21.21	6.89	9.56	2.3	2.06	4.36	0.49	5.01
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1984	9.11	6.8	2.17	4.67	13.38	13.54	6.4	12.52	10.11	11.89	13.39	8.48
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1985	2.9	0.06	0.92	3.51	8.75	0	2.96	7.14	12.05	18.19	27.91	10.05
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1986	1.35	0	12.22	9.12	7.44	33.82	32.42	14.59	0	43.04	42.13	9.24
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1987	0.95	0.52	0	0.66	19.33	3.91	14.96	10.73	5.55	20.73	11.87	6.64
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1988	0	2.09	0	4.25	6.84	15.79	15.38	9.39	15.77	24.29	36.19	29.73

Antigua)													
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1989	5.28	11.61	21.35	8.34	15.13	16.9	15.14	4.63	5.57	8.16	8.55	8.64
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1990	4.47	6.43	2.13	12.89	33.83	14.66	7.65	7.74	0	18.36	14.81	21.76
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1991	1.09	0	10.38	13.88	11.76	5.29	17.56	16.97	12.33	3.79	17.62	7.53
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1992	0	0	0	3.57	1.9	0	4.05	8.41	2.63	0.98	8.83	7.55
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1993	2.25	2.45	2.51	8.52	19.73	13.23	12.85	0.93	3.4	1.79	17.82	7.7
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1994	1.68	3.72	8.18	12.42	20.77	15.6	10.89	4.22	1.49	9.57	20.06	5.79
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1995	0	0	5.83	12.16	14.06	17.1	7.43	12.43	6.7	8.08	9.63	11.69
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1996	0	4.97	17.5	6.95	19.06	11.9	22.9	17.1	1.95	17.68	6.68	7.28
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1997	13.95	1.36	0	0.89	2.83	5.38	22.13	5.57	0	0.15	3.47	0
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1998	0	0	0	5.97	20.22	22.87	20.54	17.46	6.45	13.36	17.41	21.45
Serie Filo de Agua Alicachin (Hidrologia Antigua)	1999	9.81	14.5	23.46	19.23	12.66	10.79	0.04	8.89	18.83	32.25	41.58	15.02
Serie Filo de Agua Alicachin (Hidrologia Antigua)	2000	2.25	9.36	0	4.99	11.43	9.81	12.79	9.34	0	2.42	1.25	4.5
Serie Filo de Agua Alicachin (Hidrologia Antigua)	2001	1.6	1.17	6.42	2.19	8.98	9.73	9.08	6.3	8.84	1.32	7.84	7.82
Serie Filo de Agua Alicachin (Hidrologia Antigua)	2002	1.91	2.99	4.72	13.73	9.13	35.81	10.12	3.41	3.83	6.82	9.11	7.49
Serie Filo de Agua Alicachin (Hidrologia Antigua)	2003	0.85	0.87	4.47	15.26	5.95	5.54	10.9	9.6	6.1	14	20.38	14.8
Serie Filo de Agua Alicachin (Hidrologia Antigua)	2004	3.23	3.48	3.49	21.82	21.23	22.98	11.46	11.77	10.12	19.1	37.06	10.61
Serie Filo de Agua Alicachin (Hidrologia Antigua)	2005	2.35	6.11	1.44	7.59	28.45	11.79	8.63	7.72	7.08	24.94	22.76	12.34
Serie Filo de Agua Alicachin (Hidrologia)	2006	12.05	3.35	14.5	34.68	61.08	33.87	10.09	10.56	5.02	16.87	35.83	9.97

Antigua)													
Serie Filo de Agua Alicachin (Hidrologia Antigua)	2007	0.27	0.43	4.35	13.78	10.1	16.72	10	11.09	1.33	23.65	27.71	24.33
Serie Filo de Agua Alicachin (Hidrologia Antigua)	2008	4.72	8.6	12.7	16.67	41.98	36.96	29.65	21.55	18.34	20.86	39.06	29.24
Serie Filo de Agua Alicachin (Hidrologia Antigua)	2009	9.87	10.61	15.99	21.52	11.46	10.53	12.75	5.93	3.37	14.27	14.73	3.17
Serie Filo de Agua Alicachin (Hidrologia Antigua)	2010	0.69	5.53	2.68	22.72	27.43	34.2	44.57	22.32	14	25.68	73.93	63.45
Serie Guavio	1963	13.3	19.3	15.7	60.6	113.8	110.3	105.5	104.7	79.3	36.3	43.6	28.2
Serie Guavio	1964	10.7	11	21.1	56.4	104.9	131.6	100.7	101.2	97.8	63.6	54	43.5
Serie Guavio	1965	39.2	13.4	14.5	68	131.6	114.2	144.9	111.2	59.9	71.6	71.7	42.3
Serie Guavio	1966	21.8	12.6	37.6	37.7	37.5	47.5	90.9	103.3	67.8	42.7	62.4	51.8
Serie Guavio	1967	35.7	25.1	21.6	64.5	92.5	144.2	129	138.6	84.8	44.7	40.7	34
Serie Guavio	1968	13.3	14.2	22.8	101.1	72.7	143.2	206	101.1	72.1	72	58.8	20.6
Serie Guavio	1969	15.6	18.4	18.6	60.7	86	86.6	114	99.4	58.7	92.6	53.1	35.3
Serie Guavio	1970	33.4	21.1	45.7	99.9	104	163.9	134	128.7	98.1	87.4	62.5	35.1
Serie Guavio	1971	24.3	29.9	56.7	87.6	120.2	154.8	174.1	132.4	99	70.6	48.2	28.2
Serie Guavio	1972	55.5	27.4	38	87.5	157.5	171.8	171.8	129.3	90.1	46	46.5	21.6
Serie Guavio	1973	13.6	10.9	12.5	30.4	98.7	137.9	130.9	106.9	118.6	71.1	66.9	33.7
Serie Guavio	1974	16.8	21.1	31.8	80.5	118.8	110.2	145.8	126.1	62.6	52.6	43.6	17
Serie Guavio	1975	11.5	9.6	40.8	46.3	96.7	197.6	96.2	114.7	75.4	73.1	50.5	44.7
Serie Guavio	1976	20.2	17.6	45.5	72.7	162.7	203.2	213.6	107	74.5	59.4	48.1	30.7
Serie Guavio	1977	11.3	15.9	19.1	38	65.6	124.9	172	89.5	83.3	63.3	50.9	16.4
Serie Guavio	1978	9.7	14.6	13.9	63.5	86.9	148.8	117.8	90.9	66.3	77.3	28	26.3
Serie Guavio	1979	11.1	8.4	23	67.6	72.3	125.3	102.4	90.7	55.9	95.3	78.5	51.7
Serie Guavio	1980	20	11.7	19.4	70	71	167.8	108.3	79.9	77.6	75.8	32.1	20.9
Serie Guavio	1981	10.5	16.4	22.5	59.8	107.6	121.3	106.7	77.9	86	78.9	57.7	28.8
Serie Guavio	1982	15.7	19.1	27.9	114	106.2	88.4	159.2	116.9	95.9	77.8	45.9	30.4
Serie Guavio	1983	32.1	45.4	71.6	103.6	102.9	115.8	160.8	115.6	102	75.3	35.9	40.9
Serie Guavio	1984	21.5	70.6	32	40.2	89.7	232	139	139.6	92.6	48.3	53.9	20.7
Serie Guavio	1985	12.9	9.2	14.2	42.5	107.6	157	115.2	105.8	96.2	76.9	55.6	40.1
Serie Guavio	1986	14.4	28.2	39.7	50.7	80.8	187.1	240	145.6	66	98.9	54.8	30.5
Serie Guavio	1987	13.9	31	22.2	41.7	71.8	78	221	178.1	63.2	68	47.9	36.2
Serie Guavio	1988	13.9	12.2	10.6	35.4	70.4	102.8	157.3	79.4	80.9	70.5	87	43.9
Serie Guavio	1989	25.4	27.9	56	65	137.4	160.5	155.9	83.9	63.5	54.1	42.4	23.3
Serie Guavio	1990	19.2	25	68.5	76	167.7	169.4	124.6	100.4	51.5	42.4	41.1	36.8
Serie Guavio	1991	15.7	16.8	27	51.1	92.6	127.1	225.5	163.6	86.7	57.7	49.2	18.5
Serie Guavio	1992	12.73	13.06	13.29	41.44	48.82	85.93	160.09	122.64	71.14	56.51	47.9	22.92
Serie Guavio	1993	13.86	15.97	38.42	90.09	98.57	149.57	183.39	108.91	78.53	60.35	54.53	32.06
Serie Guavio	1994	15.17	13.09	31.71	67.57	151.83	175.75	206.69	135.38	94.18	77.43	55.55	31.22
Serie Guavio	1995	16.83	10.26	27.94	39.42	85.94	106.89	87.94	61.7	46.35	47.23	38.59	20.79
Serie Guavio	1996	11.55	40.61	31.4	60.47	127.53	110.75	166.68	91.21	48.28	66.42	37.11	40.28
Serie Guavio	1997	16.74	31.07	17.9	54.09	131.74	96.71	208.39	98.37	48.17	32.94	29.45	14.46
Serie Guavio	1998	9.33	13.41	16.08	51.98	128.73	190.56	209.55	105.02	50.47	51.79	45.1	38.28
Serie Guavio	1999	23.32	33.19	31.23	127.77	104.96	159.01	87.5	86.14	72.35	113.03	46.71	30.15
Serie Guavio	2000	23.02	24.51	25.85	41.95	146.27	139.62	118.32	129.14	85.61	62.67	72.32	40.97
Serie Guavio	2001	19.22	12.66	19.74	43.96	105.53	140.22	115.79	128.79	89.92	43.36	59.6	56.05
Serie Guavio	2002	19.42	14.27	40.85	88.49	139.74	163.74	151.95	147.58	69.47	50.34	53.63	21.92
Serie Guavio	2003	10.58	9.79	25.93	65.55	127.51	83.33	110.21	114.89	80.6	72.78	45.62	32.65
Serie Guavio	2004	16.1	16.1	51.9	76.63	164.66	234.2	135.73	132.27	70.34	63.32	46.43	24.26
Serie Guavio	2005	14.82	26.09	18.53	84.44	118.71	100.71	80.38	90.67	94.17	65.8	80.09	21.89
Serie Guavio	2006	19.02	13.73	58.93	115.96	120.67	134.7	114.52	80.75	50.01	69.83	56.15	24.35
Serie Guavio	2007	12.3	9.33	23.94	67.25	86.45	156.08	83.28	81.46	68.9	58.78	58.74	30.16
Serie Guavio	2008	19.57	14.99	15	22.72	76.7	154.73	159.28	85.12	73.12	51.29	84.16	33.57
Serie Guavio	2009	20	19.93	28.82	71.47	57.76	105.47	148.23	94.13	58.99	46.46	30.01	13.71
Serie Guavio	2010	8.41	12.25	24.97	60.33	88.01	102.71	107.97	63.82	43.75	39.18	61.16	36.32
Serie Neusa (Hidrologia Antigua)	1953	0.92	0.37	0.51	0.79	2.14	1.97	0.72	0.92	1.28	3.47	3.25	1.02
Serie Neusa	1954	0.5	0.38	0.41	0.89	1.43	1.88	1.43	1.43	1.28	5.2	5.23	1.63

(Hidrologia Antigua)													
Serie Neusa (Hidrologia Antigua)	1955	1.12	0.92	1.63	6.61	2.96	2.96	2.55	1.12	2.37	6.22	4.34	1.61
Serie Neusa (Hidrologia Antigua)	1956	1.12	1.81	2.64	1.78	2.34	2.86	2.14	1.32	1.48	7.03	4.63	2.75
Serie Neusa (Hidrologia Antigua)	1957	0.92	1.01	1.22	1.48	5.2	1.58	0.72	0.61	0.4	2.04	2.76	1.63
Serie Neusa (Hidrologia Antigua)	1958	0.92	0.55	0.61	0.59	1.32	1.78	1.43	1.32	0.69	1.73	2.37	0.81
Serie Neusa (Hidrologia Antigua)	1959	0.21	0.46	1.12	1.38	2.45	1.18	1.94	0.92	0.99	3.06	1.4	1.12
Serie Neusa (Hidrologia Antigua)	1960	1.53	0.57	1.02	2.66	1.73	1.68	1.63	1.32	0.99	2.24	1.68	1.94
Serie Neusa (Hidrologia Antigua)	1961	0.72	0.46	1.22	1.68	0.81	0.89	0.92	0.61	0.59	1.94	3.35	0.72
Serie Neusa (Hidrologia Antigua)	1962	0.61	0.64	1.12	1.58	2.45	2.47	1.83	1.83	0.99	1.53	5.13	1.32
Serie Neusa (Hidrologia Antigua)	1963	1.02	1.1	1.12	1.88	5.2	1.88	1.12	1.22	0.99	1.22	3.65	1.12
Serie Neusa (Hidrologia Antigua)	1964	0.61	0.57	0.21	1.38	1.32	3.25	1.43	0.72	0.59	0.72	1.08	1.22
Serie Neusa (Hidrologia Antigua)	1965	0.81	0.74	0.61	2.56	1.16	0.79	0.92	1.53	0.69	4.69	7.1	1.83
Serie Neusa (Hidrologia Antigua)	1966	1.22	0.64	1.32	1.08	2.05	1.88	1.22	1.53	1.48	2.64	4.24	4.49
Serie Neusa (Hidrologia Antigua)	1967	1.44	1.52	0.89	1.54	2.23	3.31	3.41	1.77	0.95	1.35	2.82	1.77
Serie Neusa (Hidrologia Antigua)	1968	0.73	0.61	0.57	3.86	3.19	4.56	2.49	2.79	2.48	2.81	2.96	0.8
Serie Neusa (Hidrologia Antigua)	1969	1.54	1.07	0.92	2.72	3.13	1.67	1.98	1.23	1.91	5.3	2.02	1.29
Serie Neusa (Hidrologia Antigua)	1970	1.05	1.01	0.84	0.98	1.78	1.25	1.25	0.82	1.7	3.98	3.83	1.25
Serie Neusa (Hidrologia Antigua)	1971	1.66	1.7	2.49	3.19	5.06	2.97	1.74	1.73	2.79	2.52	3.87	2.01
Serie Neusa (Hidrologia Antigua)	1972	3.18	1.35	1.44	4.67	4.46	4.18	3.62	1.29	2.08	1.49	2.7	1.22
Serie Neusa (Hidrologia Antigua)	1973	1.7	1.66	2	2.11	1.04	1.1	1.17	1.28	4.04	2.25	3.51	2.41
Serie Neusa (Hidrologia Antigua)	1974	1.45	1.31	1.47	2.19	2.55	0.97	0.98	0.89	2.6	2.36	4.02	1.91
Serie Neusa (Hidrologia Antigua)	1975	1.68	0.83	1.08	1.36	1.51	1.48	2.5	1.58	1.81	2.72	3.6	4.57
Serie Neusa (Hidrologia Antigua)	1976	1	1.73	1.57	3.32	2.98	2.64	2.66	2.23	1.91	3.8	3.74	1.88
Serie Neusa (Hidrologia Antigua)	1977	1.59	1.16	1.15	2.05	1.65	2.25	1.53	1.27	2.25	1.67	3.99	1.69

Serie Neusa (Hidrologia Antigua)	1978	1.01	1.2	0.86	3.42	1.8	2.04	1.27	0.88	1.01	1.89	0.95	0.82
Serie Neusa (Hidrologia Antigua)	1979	0.45	0.48	1.21	2.7	3.18	3.91	1.95	2.25	1.98	6.12	5.92	2.62
Serie Neusa (Hidrologia Antigua)	1980	1.65	1.95	1.23	1.39	1.32	1.9	1.13	0.72	0.69	2.21	1.31	0.46
Serie Neusa (Hidrologia Antigua)	1981	0.5	0.61	1.4	2.75	6.57	2.35	1.11	1.03	1.24	1.97	3.28	1.85
Serie Neusa (Hidrologia Antigua)	1982	1.58	2.54	1.88	4.06	4.33	1.89	1.44	1.49	1.66	2.96	2.28	1.76
Serie Neusa (Hidrologia Antigua)	1983	1.19	1.2	1.23	2.99	1.82	0.91	1.4	1.11	0.95	1.26	1.26	1.81
Serie Neusa (Hidrologia Antigua)	1984	1.25	1.32	1.11	1.6	2.08	1.5	0.76	1.15	1.63	2.02	2.16	0.87
Serie Neusa (Hidrologia Antigua)	1985	0.64	0.51	1.08	1.13	1.68	1.09	1.29	0.84	1.96	3.14	3	0.99
Serie Neusa (Hidrologia Antigua)	1986	0.86	0.93	0.97	0.8	0.96	2.71	2.36	1.72	1.62	5.8	3.44	1.17
Serie Neusa (Hidrologia Antigua)	1987	1.07	1.14	2.24	1.2	1.97	1.05	1.18	0.97	1.32	3.62	1.89	1.68
Serie Neusa (Hidrologia Antigua)	1988	0.7	0.67	0.77	1.06	0.62	1.45	1.38	1.11	1.41	2.78	3.71	2.29
Serie Neusa (Hidrologia Antigua)	1989	1.08	0.71	2	0.89	3.12	1.77	2.15	1.29	2.39	2.09	1.13	0.73
Serie Neusa (Hidrologia Antigua)	1990	0.28	1.31	1.61	2.53	4.21	1.61	1.2	1.21	1.03	2.82	2.22	3.22
Serie Neusa (Hidrologia Antigua)	1991	0.8	0.76	1.55	0.92	1.25	0.4	1.2	1.94	1.19	0.65	3.44	1.23
Serie Neusa (Hidrologia Antigua)	1992	0.69	0.83	0.44	0.62	0.35	0.36	0.73	0.63	0.28	0.12	0.86	1.17
Serie Neusa (Hidrologia Antigua)	1993	0.27	0.15	0.38	0.74	3.17	1.71	1.4	1	1.21	1.1	2.44	0.92
Serie Neusa (Hidrologia Antigua)	1994	1.15	1.01	0.87	1.91	2.3	1.15	2.32	0.95	1.11	2.47	2.87	0.67
Serie Neusa (Hidrologia Antigua)	1995	0.45	0.66	1.08	1.15	0.91	0.56	0.49	2.02	1.02	1.19	1.54	1.49
Serie Neusa (Hidrologia Antigua)	1996	0.68	0.58	2.95	1.33	1.29	1.24	2.49	1.48	1.1	2.69	1.27	1.61
Serie Neusa (Hidrologia Antigua)	1997	1.85	1.3	1.14	1.85	1.6	2.09	1.83	1.23	0.66	2.37	0.72	0.35
Serie Neusa (Hidrologia Antigua)	1998	1.13	1.12	1.21	2.09	2.47	1.95	1.64	1.34	1.63	2.56	2.99	1.71
Serie Neusa (Hidrologia Antigua)	1999	0.57	1.37	1.56	1.88	0.61	0.5	0.39	0.65	2.9	5.48	3.12	2.41
Serie Neusa (Hidrologia Antigua)	2000	1.31	1.22	1.71	1.25	0.7	0.94	0.9	0.97	1.91	1.28	1.69	0.68
Serie Neusa (Hidrologia Antigua)	2001	0.36	0.35	0.82	0.43	0.71	0.41	0.36	0.84	1.25	0.49	0.62	0.44

Serie Neusa (Hidrologia Antigua)	2002	0.24	0.35	0.81	1.89	2.42	3.74	1.71	1.92	1.25	1.15	1.3	0.68
Serie Neusa (Hidrologia Antigua)	2003	0.78	0.59	0.73	2.42	1.49	0.71	0.7	1.04	0.86	2.06	2.71	2.44
Serie Neusa (Hidrologia Antigua)	2004	0.68	0.72	0.81	1.13	2.91	2.21	1.39	1	1.45	1.98	4.38	1.01
Serie Neusa (Hidrologia Antigua)	2005	0.71	0.95	0.84	0.85	2.08	0.79	0.73	1	1.16	2.68	2.77	1.46
Serie Neusa (Hidrologia Antigua)	2006	0.72	0.39	1.65	4.26	5.56	3.52	2.12	1.39	0.97	1.68	3.89	1.48
Serie Neusa (Hidrologia Antigua)	2007	0.8	0.5	0.82	1.28	1	1.34	1.18	1.97	2.01	3.75	2.13	1.48
Serie Neusa (Hidrologia Antigua)	2008	1.08	1.4	0.45	2.43	3.11	1.93	2.08	1.62	2.3	2.39	4.34	3.03
Serie Neusa (Hidrologia Antigua)	2009	1.68	1.77	1.75	2.58	1.77	1.26	1.58	1.21	1.07	1.67	1.28	0.41
Serie Neusa (Hidrologia Antigua)	2010	0.19	0.48	0.43	2.56	1.99	2.34	3.49	2.53	1.91	1.54	3.61	3.46
Serie Rio Blanco (Hidrologia Antigua)	1972	1.35	0.88	1.25	2.09	3.22	2.74	3.32	2.17	2.87	1.8	1.67	1.04
Serie Rio Blanco (Hidrologia Antigua)	1973	0.45	0.45	0.42	0.45	1.69	2.62	3.09	2.02	3.92	2.29	1.97	2.02
Serie Rio Blanco (Hidrologia Antigua)	1974	1.08	1.11	1.65	1.45	4.11	2.82	3.84	2.48	2.78	2.5	2.47	0.87
Serie Rio Blanco (Hidrologia Antigua)	1975	0.44	0.45	1.15	1.28	2.18	3.97	2.73	3.52	2.76	2.35	1.86	1.8
Serie Rio Blanco (Hidrologia Antigua)	1976	0.64	0.35	1.74	2.78	3.27	3.48	4.26	2.21	1.83	2.3	1.85	0.7
Serie Rio Blanco (Hidrologia Antigua)	1977	0.43	0.31	0.99	1.19	2.16	2.6	3.09	2.07	1.72	2.21	2.65	1.7
Serie Rio Blanco (Hidrologia Antigua)	1978	0.55	0.43	1.23	1.82	2.11	4.39	2.98	2.48	1.91	1.83	1.25	0.62
Serie Rio Blanco (Hidrologia Antigua)	1979	0.24	0.18	0.97	1.99	2.26	3.2	2.38	2.32	2.03	2.53	2.24	1.62
Serie Rio Blanco (Hidrologia Antigua)	1980	0.3	0.25	0.24	1.57	1.68	3.16	2.07	1.53	1.31	1.27	0.57	0.2
Serie Rio Blanco (Hidrologia Antigua)	1981	0.16	0.14	0.15	1.76	3.08	1.98	2.25	1.67	1.8	1.85	1.2	0.44
Serie Rio Blanco (Hidrologia Antigua)	1982	0.29	0.45	0.99	2.35	1.92	1.48	2.38	1.78	1.33	1.39	0.82	0.47
Serie Rio Blanco (Hidrologia Antigua)	1983	0.36	0.56	0.68	1.96	1.44	1.7	2.8	2.22	1.28	1.17	0.68	0.67
Serie Rio Blanco (Hidrologia Antigua)	1984	0.95	1.02	0.5	0.62	1.41	4.52	3.16	3.41	2.27	1.33	3.22	0.55
Serie Rio Blanco (Hidrologia Antigua)	1985	0.51	0.41	0.39	0.53	1.61	2.41	2.97	2.1	3.07	2.75	2.62	0.86
Serie Rio Blanco (Hidrologia Antigua)	1986	0.53	1.32	1.36	1.35	2.3	7.62	6.87	2.53	2.32	2.75	2.86	0.72

Serie Rio Blanco (Hidrologia Antigua)	1987	0.48	0.51	0.84	1.46	2.47	2.77	3.67	3.91	1.85	2.57	1.69	0.95
Serie Rio Blanco (Hidrologia Antigua)	1988	0.44	0.38	0.67	1.49	2.15	3.03	3.96	2.64	2.34	1.91	2.47	1.56
Serie Rio Blanco (Hidrologia Antigua)	1989	0.94	0.91	1.84	1.23	2.56	2.52	2.8	1.56	1.76	1.43	1.4	1.2
Serie Rio Blanco (Hidrologia Antigua)	1990	0.56	0.72	1.24	1.16	5.08	3.32	3.52	3.52	1.08	2	1.28	1.08
Serie Rio Blanco (Hidrologia Antigua)	1991	0.45	0.63	1.01	1.7	2.27	2.62	4.3	2.88	2.53	1.84	1.63	1.57
Serie Rio Blanco (Hidrologia Antigua)	1992	0.85	0.97	0.78	1.39	2.35	2.93	4.93	2.57	2.43	1.92	1.96	1.95
Serie Rio Blanco (Hidrologia Antigua)	1993	1.26	1.26	0.59	2.63	2.77	2.99	3.15	1.98	1.69	1.53	1.58	1.28
Serie Rio Blanco (Hidrologia Antigua)	1994	0.63	0.6	0.59	0.64	1.62	2.31	1.19	0.27	0	0.78	1.03	0.63
Serie Rio Blanco (Hidrologia Antigua)	1995	0.28	0.16	0.44	0.77	1.36	2.08	2.48	2.11	0.82	0.97	0.6	0.27
Serie Rio Blanco (Hidrologia Antigua)	1996	0.27	0.75	0.38	0.38	0.92	1.15	1.26	1.39	0.41	0.22	0.26	0.47
Serie Rio Blanco (Hidrologia Antigua)	1997	0.16	0	0	0	3.75	3.94	7.46	3.39	0.88	0.39	0	0
Serie Rio Blanco (Hidrologia Antigua)	1998	0	0	0	0	1.66	1.8	2.09	0.21	0	0.06	0	0.74
Serie Rio Blanco (Hidrologia Antigua)	1999	0.41	0	0.12	3.18	1.03	0.13	0	0	0	0	0	0.33
Serie Rio Blanco (Hidrologia Antigua)	2000	0.08	0.07	0.1	0.54	0.44	0.18	0.1	0.1	0.02	0.32	0.48	0.51
Serie Rio Blanco (Hidrologia Antigua)	2001	0	0.23	0.26	0	0	0	0	0	0	0	0	0
Serie Rio Blanco (Hidrologia Antigua)	2002	0	0	0	1.43	3.29	0	0	0	0	0	0	0
Serie Rio Blanco (Hidrologia Antigua)	2003	0.59	0.77	1.13	0	0	0	0	0	0.43	0.76	0	0
Serie Rio Blanco (Hidrologia Antigua)	2004	0.17	0	0	0	0	0.04	0	0	0	0	0	0
Serie Rio Blanco (Hidrologia Antigua)	2005	0	0	0	0	1.09	0	0	0	0	0	0.27	0
Serie Rio Blanco (Hidrologia Antigua)	2006	0	0	0	0.03	0.04	0	0	0	0	3.18	0	0
Serie Rio Blanco (Hidrologia Antigua)	2007	0	0	0	0	0	0	0.96	0	0	0.25	0.12	0
Serie Rio Blanco (Hidrologia Antigua)	2008	0.66	0.07	0.14	0.1	0.14	0.15	0.09	0.01	0	0.21	0.13	0
Serie Rio Blanco (Hidrologia Antigua)	2009	0	0	0	0	0	0	0	0	0	0	0	0
Serie Rio Blanco (Hidrologia Antigua)	2010	0	0	0	0	0.03	0	0	0	0	0	0.13	0

Serie Sisga	1944	0.39	0.23	0.31	1.55	5.43	4.73	4.73	2.02	1.32	1.16	1.24	0.39
Serie Sisga	1945	0.31	0.16	0.16	1.55	5.35	2.56	3.26	3.26	0.85	0.93	0.85	0.39
Serie Sisga	1946	0.39	0.16	0.23	0.39	1.63	2.79	5.82	7.22	1.94	0.62	0.54	0.47
Serie Sisga	1947	0.16	0.23	0.16	0.16	0.54	3.03	6.67	3.57	1.78	4.89	1.09	0.31
Serie Sisga	1948	0.23	0.23	0.16	0.78	1.55	2.64	3.57	1.94	1.47	0.7	1.94	0.54
Serie Sisga	1949	0.23	0.23	0.23	1.71	2.41	2.41	3.88	3.65	1.63	1.09	2.02	0.85
Serie Sisga	1950	0.47	0.62	1.47	0.47	3.18	3.18	3.65	2.48	1.24	1.78	1.86	1.4
Serie Sisga	1951	0.62	0.7	1.78	2.17	4.11	5.04	9.62	3.49	1.71	3.34	0.78	
Serie Sisga	1952	0.47	0.39	0.31	2.33	2.48	3.73	6.6	4.27	1.78	1.32	3.41	1.4
Serie Sisga	1953	0.47	0.47	0.62	0.78	2.41	3.49	2.56	1.47	1.32	2.48	2.33	0.93
Serie Sisga	1954	0.47	0.39	0.31	1.09	2.33	3.96	4.89	3.65	1.32	4.04	2.56	1.09
Serie Sisga	1955	0.79	0.52	1.26	1.5	2.37	1.69	2.93	2.01	1.94	2.26	2.38	1.73
Serie Sisga	1956	1.47	0.94	1.78	0.97	1.28	4	3.6	4.88	2.88	5.39	2.01	1.29
Serie Sisga	1957	0.42	0.27	0.49	0.57	5.11	4.99	6.12	4.7	2.15	2.45	2.17	1.23
Serie Sisga	1958	0.44	0.23	0.33	0.55	1.33	2.13	5.25	3.57	1.8	0.78	1.06	0.45
Serie Sisga	1959	0.24	0.27	0.31	0.47	1.57	2.64	5.04	3.36	3.11	2.68	2.28	0.74
Serie Sisga	1960	0.43	0.34	0.27	0.49	1.02	1.75	3.41	6.01	3.52	1.3	0.96	1.23
Serie Sisga	1961	0.29	0.2	0.26	0.51	0.34	3.55	3.44	3.54	0.99	1.61	2.76	0.52
Serie Sisga	1962	0.25	0.21	0.31	0.25	1.56	2.9	5.04	3.27	1.52	1.36	1.51	0.7
Serie Sisga	1963	0.33	0.26	0.23	0.64	5.41	3.88	4.74	4.87	1.99	0.62	1.8	0.61
Serie Sisga	1964	0.23	0.19	0.2	0.33	1.22	3.18	3.52	1.98	1.99	1.09	1.55	0.74
Serie Sisga	1965	0.34	0.22	0.26	1.44	4.17	3.87	7.94	5.63	1.61	2.62	3.08	1.08
Serie Sisga	1966	0.46	0.24	0.71	0.61	0.4	0.84	2.17	2.28	1.11	0.81	1.32	2.45
Serie Sisga	1967	0.47	0.21	0.32	1.51	3.3	6.39	5.52	9.04	2.55	1.07	1.75	1.04
Serie Sisga	1968	0.24	0.24	0.18	2.1	0.98	4.34	9.02	5.92	1.58	1.72	1.25	0.47
Serie Sisga	1969	0.67	0.37	0.14	1.12	2.34	2.14	5.94	3.19	0.95	4.65	2.41	0.68
Serie Sisga	1970	1.13	0.88	0.46	0.78	1.98	3.62	3.53	3.55	1.97	4.29	2.1	0.93
Serie Sisga	1971	0.72	0.47	0.56	1.42	3.35	3.12	5.18	2.65	1.9	0.99	1.2	0.71
Serie Sisga	1972	1.75	1.25	1.14	4.39	4.22	5.27	7.77	3.17	2.82	0.83	1.2	0.5
Serie Sisga	1973	0.38	0.29	0.23	0.31	1.47	1.31	2.97	3.31	4.58	1.83	2.47	1.3
Serie Sisga	1974	0.45	0.5	0.54	1.23	1.32	1.47	3.12	2.26	1.19	1.3	1.6	0.66
Serie Sisga	1975	0.35	0.39	0.64	0.47	0.88	3.54	1.68	2.99	1.72	1.68	2.05	2.1
Serie Sisga	1976	0.64	0.29	0.7	1.67	6.17	10.28	12.35	3.65	2.58	3.76	3.22	1.15
Serie Sisga	1977	0.25	0.15	0.15	0.69	0.91	2.4	3.93	2.94	4.14	1.4	3.26	0.39
Serie Sisga	1978	0.16	0.2	0.2	1.58	1.56	4.88	3.62	4.78	2.1	1.99	0.69	0.57
Serie Sisga	1979	0.42	0.36	0.42	1.42	2.16	5.38	3.03	3.69	1.54	4.94	5.35	3
Serie Sisga	1980	0.69	0.3	0.22	1.39	2.61	7.57	5.74	2.75	2.95	2.79	0.65	0.25
Serie Sisga	1981	0.21	0.18	0.22	2.81	5.73	3.13	1.63	1.58	1.3	1.71	1.21	0.49
Serie Sisga	1982	0.24	0.21	0.51	3.9	2.93	2.67	7.16	6.56	3.02	2.15	0.79	0.38
Serie Sisga	1983	0.3	0.72	1.04	1.85	1.66	1.93	5.47	4.14	1.42	1.64	0.52	0.35
Serie Sisga	1984	0.23	0.2	0.19	0.6	2.05	7.15	2.78	3.35	2.23	0.61	1.06	0.36
Serie Sisga	1985	0.48	0.24	0.37	0.86	2.11	6.82	3.53	2.32	2.57	2.02	3.27	1.9
Serie Sisga	1986	0.27	0.77	1.28	0.9	1.51	8.93	10.83	4.56	1.35	3.57	1.54	0.55
Serie Sisga	1987	0.29	0.28	0.24	0.69	2.13	1.87	7.58	2.53	1.37	1.38	0.97	0.75
Serie Sisga	1988	0.31	0.24	0.21	0.25	0.95	1.95	4.58	1.11	0.95	1.59	2.19	0.99
Serie Sisga	1989	0.28	0.28	0.99	0.95	4.56	4.44	6.51	1.52	0.83	0.53	0.52	0.44
Serie Sisga	1990	0.24	0.27	0.71	0.95	7.39	5.92	3.79	4	0.71	1.41	1.24	0.91
Serie Sisga	1991	0.42	0.32	0.83	0.9	1.05	1.91	9.19	7.95	1.95	1.14	1.29	0.36
Serie Sisga	1992	0.28	0.23	0.2	0.47	0.61	2.11	8	4.59	1.76	0.68	2.22	0.56
Serie Sisga	1993	0.36	0.26	0.34	0.47	2.25	6.97	5.8	2.28	1.73	0.68	1.13	0.71
Serie Sisga	1994	0.27	0.23	0.29	0.36	3.02	3.55	8.14	5.42	3.24	4.12	1.58	0.6
Serie Sisga	1995	0.33	0.25	0.3	0.55	1.61	2.46	2.78	1.9	0.97	0.67	0.63	0.66
Serie Sisga	1996	0.41	1.24	1.95	0.83	3.04	4.11	6.77	3.62	1.14	2.13	0.61	0.55
Serie Sisga	1997	0.72	0.49	0.34	0.65	1.85	2.14	12.69	5.46	0.73	0.4	0.29	0.27
Serie Sisga	1998	0.22	0.19	0.18	0.25	3.84	6.35	6.47	1.92	0.52	0.73	0.59	1.15
Serie Sisga	1999	0.29	0.37	0.64	1.94	1.22	1.8	1.38	1.87	2.38	3.04	1.84	0.46
Serie Sisga	2000	0.34	0.31	0.6	1.11	2.25	3.01	4.28	4.74	2.85	1.51	1.63	0.47
Serie Sisga	2001	0.37	0.32	0.36	0.31	0.95	3.06	2.63	6.14	3.52	0.98	1.18	0.9
Serie Sisga	2002	0.3	0.29	0.4	1.9	4.1	11.66	6.23	8.46	1.22	0.59	0.79	0.29
Serie Sisga	2003	0.25	0.24	0.8	0.97	3.26	1.53	4.14	2.81	1.69	1.67	1.01	0.58
Serie Sisga	2004	0.3	0.26	0.32	1.61	3.95	7.39	3.51	6.32	1.64	1.38	0.94	0.4
Serie Sisga	2005	0.31	0.32	0.24	0.77	3.42	1.8	1.22	2.82	3.25	2.45	2.68	0.4
Serie Sisga	2006	0.29	0.25	0.54	4.53	3.92	5.81	6.33	1.94	0.8	2.31	1.21	0.56
Serie Sisga	2007	0.29	0.25	0.21	0.6	1.55	4.63	3.1	2.8	1.7	1.92	1.18	0.41
Serie Sisga	2008	0.45	0.27	0.25	0.46	2.82	5.1	5.83	2.86	2.02	2.13	4.4	1.28
Serie Sisga	2009	0.48	0.39	0.36	1.06	1.4	2.01	4.45	4.14	1.95	1.06	0.98	0.27
Serie Sisga	2010	0.24	0.2	0.18	2.29	3.76	4.31	3.55	1.72	1.24	3.47	2.82	1.57
Serie Teusaca (Hidrologia	1947	0.89	0.41	0.29	0.26	0.85	2.81	5.24	3.08	2.58	3.17	3.2	0.86

Antigua)													
Serie Teusaca (Hidrologia Antigua)	1948	0.12	0.28	0.3	3.67	2.98	4.01	3.94	2.58	1.1	2.1	3.81	1.05
Serie Teusaca (Hidrologia Antigua)	1949	0.21	0.3	0.75	1.35	3.55	3.21	5.75	2.68	1.56	2.48	3.61	1.52
Serie Teusaca (Hidrologia Antigua)	1950	0.81	2.8	2.62	1.59	6.38	4.56	5.4	3.19	1.51	2.65	3.93	2.64
Serie Teusaca (Hidrologia Antigua)	1951	0.44	1.33	6.18	2.96	7.14	4.19	6.94	3.39	1.34	3.07	6.01	1.47
Serie Teusaca (Hidrologia Antigua)	1952	0.77	0.72	1.28	2.37	6.72	3.98	9.22	5.07	2.11	2.44	8.02	4.12
Serie Teusaca (Hidrologia Antigua)	1953	0.35	0.41	0.39	0.56	3.99	3.91	4.94	3.7	1.48	4.15	4.32	2.28
Serie Teusaca (Hidrologia Antigua)	1954	0.35	0.35	0.22	2.85	3.94	4.73	7.53	5.44	3.35	4.57	6.44	3.42
Serie Teusaca (Hidrologia Antigua)	1955	0.88	0.7	1.61	3.06	3.68	3.63	6.35	2.18	2.74	4.57	5.71	3.07
Serie Teusaca (Hidrologia Antigua)	1956	4.02	2.04	4.2	1.31	1.84	5.95	4.28	4.08	3.91	6.06	3.6	7.26
Serie Teusaca (Hidrologia Antigua)	1957	1.08	0.4	3.02	1.4	8.96	4.14	6.08	3.5	2.31	4.48	5.54	3.5
Serie Teusaca (Hidrologia Antigua)	1958	0.22	0.3	0.28	0.26	1.26	1.67	2.98	2.77	0.92	2.3	4.21	1.11
Serie Teusaca (Hidrologia Antigua)	1959	0.11	0.15	0.13	0.11	1.59	2.47	7.37	2.6	3.45	2.79	3.78	1.17
Serie Teusaca (Hidrologia Antigua)	1960	0.16	0.6	0.74	0.48	1.19	2.36	3.36	4.52	2.13	2.04	3.04	2.04
Serie Teusaca (Hidrologia Antigua)	1961	0.06	0.28	0.63	1.09	1.03	3.4	4.88	4.19	1.31	3.91	5.88	1.14
Serie Teusaca (Hidrologia Antigua)	1962	0.09	0.22	0.42	0.46	2.97	5.79	5.89	4.28	1.66	2.65	5.37	1.27
Serie Teusaca (Hidrologia Antigua)	1963	0.64	0.96	0.33	2.09	8.89	4.8	5.54	3.54	1.61	2.03	5.23	1.19
Serie Teusaca (Hidrologia Antigua)	1964	0.09	0.17	0.08	0.35	0.89	4.32	8.73	3.46	0.92	1.79	0.82	3.07
Serie Teusaca (Hidrologia Antigua)	1965	0.56	0.04	0.05	1.69	4.38	2.85	4.71	2.61	0.82	2.98	6.23	1.65
Serie Teusaca (Hidrologia Antigua)	1966	0.11	0.12	1.01	0.95	0.27	0.45	2.09	2.69	1.42	2.02	5.42	8.34
Serie Teusaca (Hidrologia Antigua)	1967	0.82	0.23	1.79	3.69	5.97	9.13	6.23	5.94	1.6	1.45	6.21	2.92
Serie Teusaca (Hidrologia Antigua)	1968	0.65	0.9	0.43	4.34	2.32	6.09	7.78	4.75	1.78	3.44	4.87	1.26
Serie Teusaca (Hidrologia Antigua)	1969	2.37	0.76	0.16	3.19	3.55	2.8	5.12	3.78	1.5	9.58	6.98	1.68
Serie Teusaca (Hidrologia Antigua)	1970	0.86	0.88	0.54	0.54	1.35	3.35	3.66	3.36	2.04	7.16	6.98	1.66
Serie Teusaca	1971	0.72	0.66	1.11	5.05	5.63	4.3	5.89	3.58	4.81	3.3	3.6	1.85

(Hidrologia Antigua)													
Serie Teusaca (Hidrologia Antigua)	1972	3.21	1.44	1.34	4	8.09	6.63	7.22	2.49	1.87	2.28	4.89	0.8
Serie Teusaca (Hidrologia Antigua)	1973	0.21	0.12	0.16	0.18	0.82	1.6	1.65	1.93	4.95	4.59	3.78	7.89
Serie Teusaca (Hidrologia Antigua)	1974	0.89	1.77	2.12	2.15	3.57	1.68	2.87	1.93	1.43	2.31	4.12	1.18
Serie Teusaca (Hidrologia Antigua)	1975	0.22	0.66	0.9	0.66	2.68	4.38	2.56	3.72	2.87	1.61	5.19	6.07
Serie Teusaca (Hidrologia Antigua)	1976	2.16	0.74	1.17	5.41	7.11	6.23	8.63	3.22	3.21	8.49	6.96	2.4
Serie Teusaca (Hidrologia Antigua)	1977	0.47	0.24	0.23	0.84	1.53	2.67	3.34	3.09	3.09	3.87	4.5	0.51
Serie Teusaca (Hidrologia Antigua)	1978	0.25	0.72	0.6	1.6	2.5	3.3	1.25	1.36	2.1	2.5	1.72	0.9
Serie Teusaca (Hidrologia Antigua)	1979	0.51	0.57	0.72	1.74	1.79	4.96	2.13	2.07	1.4	9.19	10.13	4.28
Serie Teusaca (Hidrologia Antigua)	1980	0.98	1.02	0.85	1.6	0.94	4.1	2.18	1.61	1.33	1.65	1.56	0.77
Serie Teusaca (Hidrologia Antigua)	1981	0.58	0.43	0.46	1.86	4.32	4.08	8.11	3.71	3.81	4.71	3.9	1.97
Serie Teusaca (Hidrologia Antigua)	1982	3.28	1.61	2.22	8.31	7.6	4.35	7.73	6.08	3.99	3	4.98	2.64
Serie Teusaca (Hidrologia Antigua)	1983	0.86	1.83	1.74	10	3.38	3.04	4.49	1.77	0.12	1.49	2.13	1.74
Serie Teusaca (Hidrologia Antigua)	1984	0.95	0.79	0.49	0.46	1.12	5.85	2.88	2.89	2.23	0.78	11.19	0.37
Serie Teusaca (Hidrologia Antigua)	1985	0.28	0.08	0.09	0	1.63	16.3	5.47	4.93	3.51	5.76	0.63	5.1
Serie Teusaca (Hidrologia Antigua)	1986	1.34	1.15	2.67	0	0	0.07	2.78	1.18	0.34	0.7	0.45	0.45
Serie Teusaca (Hidrologia Antigua)	1987	0.44	0.34	0.72	0	0	0.29	4.23	2.86	1.27	2.96	3.23	2.02
Serie Teusaca (Hidrologia Antigua)	1988	0.95	0.52	0.54	0	0.59	2	10.43	6.13	1.96	2.52	3.1	0
Serie Teusaca (Hidrologia Antigua)	1989	0.48	0.94	1.4	2.31	2.31	1.86	2.34	1.78	1.66	1.74	2.21	2.18
Serie Teusaca (Hidrologia Antigua)	1990	0	0	2.04	1.91	4.55	2.6	2.53	2.66	1.44	1.83	2.07	1.85
Serie Teusaca (Hidrologia Antigua)	1991	2.05	1.84	1.68	2.09	1.84	2.3	4.53	8.44	2.27	1.45	3.49	1.73
Serie Teusaca (Hidrologia Antigua)	1992	1.4	1.63	1.98	2.15	1.55	1.93	7.54	2.07	0.68	1.01	1.83	1.94
Serie Teusaca (Hidrologia Antigua)	1993	1.12	1	0.8	1.6	2.61	4.12	5.19	6.22	3.4	2.39	3.46	1.96
Serie Teusaca (Hidrologia Antigua)	1994	0.92	0.83	0.78	1.1	3.51	3.09	8.63	7.33	3.64	4.76	2.77	1.41

Serie Teusaca (Hidrologia Antigua)	1995	0.52	0.45	0.49	1.02	1.92	2.76	1.97	1.92	1.29	1.48	1.39	0.9
Serie Teusaca (Hidrologia Antigua)	1996	0.5	0.52	0.69	0.68	1.76	2.49	4.98	1.97	1.31	2.15	1.96	2.8
Serie Teusaca (Hidrologia Antigua)	1997	4.77	4.95	3.33	0.57	0.69	0.57	3.79	2.36	0.88	0.47	0.53	0.53
Serie Teusaca (Hidrologia Antigua)	1998	0.57	0.83	1.17	1.11	2.57	2.46	10.31	4.01	0.71	1.34	1.13	5.56
Serie Teusaca (Hidrologia Antigua)	1999	3.51	2.6	3.03	5.32	5.82	5.59	9.49	4.94	4.2	4.84	4.92	3.83
Serie Teusaca (Hidrologia Antigua)	2000	3.33	3.38	2.17	2.6	4.42	5.33	4.31	4.9	6.62	2.2	3.94	1.03
Serie Teusaca (Hidrologia Antigua)	2001	0.15	0.17	0.42	0.19	0.74	1.8	2.8	1.57	2.3	1.19	3.01	2.19
Serie Teusaca (Hidrologia Antigua)	2002	0.96	0.83	1.31	3.07	3.39	7.92	3.67	5.46	2	2.68	3.61	1.04
Serie Teusaca (Hidrologia Antigua)	2003	0.58	0.54	0.73	2.01	2.98	1.74	3.91	3.33	1.76	2.14	2.26	2.57
Serie Teusaca (Hidrologia Antigua)	2004	0.85	1.35	1.29	2.29	5.27	8.28	3.33	5.56	2.96	4.32	4.41	1.93
Serie Teusaca (Hidrologia Antigua)	2005	0.86	1.08	0.45	2.16	4.49	3.39	2.1	3.48	2.91	5.03	6.52	2.61
Serie Teusaca (Hidrologia Antigua)	2006	1.31	0.83	2.18	4.75	5.51	5.89	5.02	2.29	1.46	2.67	5.25	2.08
Serie Teusaca (Hidrologia Antigua)	2007	0.19	0.12	0.37	1.82	1.34	3.28	2.84	3.07	1.97	4.32	3.81	2.59
Serie Teusaca (Hidrologia Antigua)	2008	0.67	0.34	1.09	1.24	3.41	4.83	8.42	5.3	3.47	3.12	7.65	5.71
Serie Teusaca (Hidrologia Antigua)	2009	2.33	1.23	1.79	3.28	2.55	2.89	3.2	3.16	1.27	1.57	2.92	0.86
Serie Teusaca (Hidrologia Antigua)	2010	0.33	0.51	0.44	2.4	4.58	5.14	7.63	4.1	2.34	4.59	8.84	5.72
Serie Tomine (Hidrologia Antigua)	1947	0.8	0.53	0.34	0.85	0.91	4.36	6.48	4.56	2.98	5.62	1.35	0.8
Serie Tomine (Hidrologia Antigua)	1948	0.7	0.69	0.54	2.53	3.03	4.33	3.9	3.08	1.89	1.19	2.37	1.09
Serie Tomine (Hidrologia Antigua)	1949	0.88	0.85	0.96	2.37	4.35	5.72	7.95	5.12	3.3	3.27	3.52	2.14
Serie Tomine (Hidrologia Antigua)	1950	1.11	0.95	4.13	1.98	4.98	4.5	8.21	4.42	3.04	3.42	2.46	2.13
Serie Tomine (Hidrologia Antigua)	1951	1.09	1.73	3.38	3.19	7.87	7.69	10.16	6.6	2.76	2.84	3.94	0.8
Serie Tomine (Hidrologia Antigua)	1952	0.8	0.79	0.7	3.54	6.61	4.85	10.03	6.87	2.49	1.34	3.68	2.19
Serie Tomine (Hidrologia Antigua)	1953	0.51	0.43	1.26	1.67	4.71	4.96	5.53	5.26	2.36	2.85	2.16	1.75
Serie Tomine (Hidrologia Antigua)	1954	0.66	0.56	0.54	1.98	4.41	4.22	9.74	6.82	2.27	7.93	5.25	1.69

Serie Tomine (Hidrologia Antigua)	1955	1.93	0.81	2.56	3.07	3.74	3.34	10.16	3.72	4.9	7.46	5.8	3.29
Serie Tomine (Hidrologia Antigua)	1956	3.35	1.09	2.33	1.26	4.68	9.76	8.41	6.67	5.14	6.35	2.93	2.9
Serie Tomine (Hidrologia Antigua)	1957	0.7	0.33	2.76	3.2	10.08	7.33	9.69	7.54	3.86	3.76	3	1.76
Serie Tomine (Hidrologia Antigua)	1958	0.49	0.26	1.14	0.73	2.9	3.15	6.3	5.11	1.61	0.88	1	0.47
Serie Tomine (Hidrologia Antigua)	1959	0.29	0.17	0.21	0.56	2.7	4.55	10.53	5.16	5.98	5.52	4.46	1.66
Serie Tomine (Hidrologia Antigua)	1960	0.92	0.79	0.8	2.08	2.69	4.36	6.65	5.93	2.92	1.63	1.18	2.76
Serie Tomine (Hidrologia Antigua)	1961	0.6	0.54	0.71	3.12	1.57	7.93	8.23	7.1	2.34	3.84	3.32	0.8
Serie Tomine (Hidrologia Antigua)	1962	0.4	0.38	0.89	0.99	4.31	7.23	8.87	7.44	4.54	3.71	4.39	1.96
Serie Tomine (Hidrologia Antigua)	1963	0	0.69	0.1	3.1	10.63	7.02	7.14	6.03	2.95	2.58	5.22	2.33
Serie Tomine (Hidrologia Antigua)	1964	0	0	0	1.87	5.53	8.49	6.42	3.9	2.61	2.3	1.58	2.29
Serie Tomine (Hidrologia Antigua)	1965	0.46	0	0	4.62	9.44	6.99	14.11	8.98	1.38	3.59	6.33	0.44
Serie Tomine (Hidrologia Antigua)	1966	0.7	1.06	3.67	1.99	1.82	2.35	5.58	5.72	2.69	2.03	6.05	6.47
Serie Tomine (Hidrologia Antigua)	1967	1.16	0.46	2.7	4.21	6.21	11.61	9.17	11.19	2.84	3.35	4.93	2.75
Serie Tomine (Hidrologia Antigua)	1968	0	0.89	0	7.06	2.68	11.31	16.14	8.64	2.53	4.9	2.56	0
Serie Tomine (Hidrologia Antigua)	1969	0.48	0	0	4.1	2.96	3.72	3.35	4.38	1.73	10	2.44	0.5
Serie Tomine (Hidrologia Antigua)	1970	0.76	2.13	1.18	0.69	3.04	9.55	6.18	5.75	5.3	8.59	7.29	0.13
Serie Tomine (Hidrologia Antigua)	1971	0.76	0.11	1.63	5.36	6.5	7.18	9.23	4.88	5.28	1.4	1.1	0.53
Serie Tomine (Hidrologia Antigua)	1972	3.21	0	1.39	9.9	11.81	11.43	18.34	5.83	3.68	2.85	3.07	1.3
Serie Tomine (Hidrologia Antigua)	1973	1.6	2.18	2.97	3.58	4.56	6.03	5.6	3.3	7.82	5.15	6.26	5.27
Serie Tomine (Hidrologia Antigua)	1974	0.46	0.61	1.98	4.03	6.88	3.88	8.88	5.67	3	3.39	3.38	0.43
Serie Tomine (Hidrologia Antigua)	1975	0	0.24	1.1	0.99	3.97	11.28	3.05	6.45	5.59	5.29	3.29	6.8
Serie Tomine (Hidrologia Antigua)	1976	0.63	0.69	2.56	7.32	7.71	13.48	17.94	5.91	2.98	6.68	6.13	1.17
Serie Tomine (Hidrologia Antigua)	1977	0	0	0.71	3.46	2.23	4.92	8.32	3.91	4.48	2.34	2.74	0.01
Serie Tomine (Hidrologia Antigua)	1978	0	0.36	0.75	4.66	2.8	8.22	6.03	3.83	2.67	2.5	0.96	0.21

Serie Tomine (Hidrologia Antigua)	1979	0.01	0.2	1.76	4.93	5.22	11.86	4.49	4.22	2.06	15.02	12.05	3.26
Serie Tomine (Hidrologia Antigua)	1980	0.46	0.01	0.2	3.34	2.84	10.5	5.96	3.61	2.84	4.67	1.66	0.27
Serie Tomine (Hidrologia Antigua)	1981	0.53	0.53	1.89	8.44	13.91	5.01	4.77	4.22	5.54	5.79	4.3	0.74
Serie Tomine (Hidrologia Antigua)	1982	0.87	1.14	2.76	10.18	8.45	3.54	9.66	6.76	4.57	3.95	1.8	0.92
Serie Tomine (Hidrologia Antigua)	1983	1.39	1.2	3.21	6	3.23	4.23	8.39	6.21	3.2	2.32	0.91	1.11
Serie Tomine (Hidrologia Antigua)	1984	1.07	1.04	0.87	0.72	3.17	10.42	4.75	8.04	6.33	1.96	6.34	0.15
Serie Tomine (Hidrologia Antigua)	1985	0.17	0.03	0	2.42	6.8	9.96	7.04	5.36	4.12	6.4	5.47	2.11
Serie Tomine (Hidrologia Antigua)	1986	0.63	3.94	5.02	1.58	2.82	13.45	11.24	5.44	2.16	5.94	3.38	1
Serie Tomine (Hidrologia Antigua)	1987	0	0.23	0.33	1.52	3.29	3.3	8.79	4.73	2.01	6.62	3.25	0.92
Serie Tomine (Hidrologia Antigua)	1988	0	0	0	0	0.8	3.49	9.05	2.75	3.04	3.85	6.18	4.16
Serie Tomine (Hidrologia Antigua)	1989	0	0	4.39	1.89	4.22	8.39	8.04	2.49	0.72	0	1.03	0.65
Serie Tomine (Hidrologia Antigua)	1990	0	1.07	1.1	1.29	9.61	7.65	4.52	4.58	0.24	1.92	1.72	1.68
Serie Tomine (Hidrologia Antigua)	1991	0	0	0.78	1.28	0.97	2.04	11.75	9.07	2.57	1.09	3.88	0
Serie Tomine (Hidrologia Antigua)	1992	0	0	1.45	2.68	1.49	1.62	8.79	4.06	2.3	1.32	4.16	2.33
Serie Tomine (Hidrologia Antigua)	1993	0.45	0.04	0	0.9	5.11	7.94	9.14	5.19	2.87	1.66	2.12	0.43
Serie Tomine (Hidrologia Antigua)	1994	0.56	0.5	1.02	0.78	4.76	7.07	14.96	7.54	5.42	9.74	2.89	1.3
Serie Tomine (Hidrologia Antigua)	1995	0.69	0.67	1.07	1.43	3.48	4.19	4.13	5.16	1.27	1.44	1.16	1.72
Serie Tomine (Hidrologia Antigua)	1996	4.07	2.83	5.03	3.2	5.28	4.6	12.51	4.79	0.45	3.56	1.96	1.4
Serie Tomine (Hidrologia Antigua)	1997	3.03	0.77	0.35	1.32	4.05	3.05	17.94	5	2.45	1.32	1.54	0.69
Serie Tomine (Hidrologia Antigua)	1998	0.21	0.89	0.83	0.79	7.08	9.82	11.26	1.31	3.64	1.75	2.68	2.85
Serie Tomine (Hidrologia Antigua)	1999	1.26	2.51	2.58	5.18	2.64	5.08	3.04	4.83	5.39	9.59	5.93	2.16
Serie Tomine (Hidrologia Antigua)	2000	1.63	1.34	1.78	3.45	4.2	6.16	7.45	6.02	5.42	3.6	4.52	2.14
Serie Tomine (Hidrologia Antigua)	2001	0.52	0.7	1.18	0.54	3.64	7.46	5.42	7.9	4.29	1.85	3.73	3.37
Serie Tomine (Hidrologia Antigua)	2002	0.71	0.78	1.07	3.07	6.66	16.84	13.74	14.97	2.47	1.61	2.73	0.57

Serie Tomine (Hidrologia Antigua)	2003	0.58	1.91	1.82	3.06	6.05	3.14	6.27	5.09	3.54	3.86	2.95	1.91
Serie Tomine (Hidrologia Antigua)	2004	1.59	2.1	2.63	3.84	7.78	15.87	5.89	7.68	4.62	4.87	4.73	2.41
Serie Tomine (Hidrologia Antigua)	2005	0.97	1.38	0.97	4.27	7.52	5.02	3.61	5.42	4.87	6.05	9.82	1.03
Serie Tomine (Hidrologia Antigua)	2006	0.86	1.01	3.02	7.81	13.47	9.4	8.55	4.05	2.2	5.2	5.04	1.42
Serie Tomine (Hidrologia Antigua)	2007	0.31	0.71	0.75	2.2	2.07	8	4.9	5.19	2.9	3.84	2.59	2.3
Serie Tomine (Hidrologia Antigua)	2008	0.95	1.33	0.92	1.74	6.2	7.55	10.42	6.3	4.51	3.4	10.07	3.21
Serie Tomine (Hidrologia Antigua)	2009	1.86	1.35	1.76	4.23	2.65	4.07	9.29	4.87	2.69	1.87	1.33	0.41
Serie Tomine (Hidrologia Antigua)	2010	0.37	0.62	0.53	4.05	5.67	6.14	8.27	4.05	3.11	5.4	9.43	3.37

Formato 5. Embalses

NOMBRE	MIN_TECNICO (Mm3)	MAX_TECNICO (Mm3)
Sisga	0	91.63
Tomine	0	658.26
Neusa	0	117.35
Chuza	12.5	239.4
Muna	0.37	12.54
Guavio	18.67	794.06
Betania	495.33	1299.99
El Quimbo	377	2907

Formato 6

No reportó información.

Formato 7. Curvas de Operación Embalses

EMBALSE	MES	VOLUMEN_ESPERA (Mn3/s)	CURVA_GUIA_MIN (Mn3/s)	CURVA_GUIA_MAX (Mn3/s)
Sisga	1		23	
Sisga	2		19	
Sisga	3		18	
Sisga	4		18	
Sisga	5		18	
Sisga	6		20	
Sisga	7		25	
Sisga	8		26	
Sisga	9		27	
Sisga	10		27	
Sisga	11		31	
Sisga	12		26	
Tomine	1		70	
Tomine	2		40	
Tomine	3		10	
Tomine	4		10	
Tomine	5		10	
Tomine	6		50	
Tomine	7		80	

Tomine	8		100	
Tomine	9		110	
Tomine	10		110	
Tomine	11		120	
Tomine	12		90	
Neusa	1		57	
Neusa	2		49	
Neusa	3		42	
Neusa	4		42	
Neusa	5		44	
Neusa	6		51	
Neusa	7		62	
Neusa	8		66	
Neusa	9		67	
Neusa	10		67	
Neusa	11		70	
Neusa	12		64	
Chuza	1		100	
Chuza	2		70	
Chuza	3		45	
Chuza	4		40	
Chuza	5		55	
Chuza	6		90	
Chuza	7		120	
Chuza	8		140	
Chuza	9		150	
Chuza	10		160	
Chuza	11		145	
Chuza	12		130	

Formato 8. Capacidad Arcos de Descarga

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)	FECHA_ENTRADA	FECHA_SALIDA
Descarga Sisga	0	12	01/02/2008	01/12/2100
Descarga Tomine	0	15	01/10/2004	01/12/2100
Descarga Neusa	0.5	4.5	01/02/2008	01/12/2100
Descarga Chuza	0	13.5	01/10/2004	01/12/2100
Desviacion Rio Blanco	0	8	01/01/2001	01/12/2100
Tunel Chuza	0	24	01/01/2001	01/12/2100
Compuerta Espino	0	80	01/04/2007	01/12/2100
Sistema Acueducto Bogota (SanRafaelSapoTibitoc)	0	60	01/02/2007	01/12/2100
Rio Bogota hasta Achury	0	40	01/04/2007	01/12/2100
Rio Bogota entre Achury y Espino	0	80	01/04/2007	01/12/2100
Rio Bogota entre Espino y Alicachin	0	180	01/04/2007	01/12/2100
Descarga Rio Bogota entre Espino y Alicachin a Embalse Muna	0	60.5	01/04/1985	01/12/2100

Formato 9. Arco de Bombeo

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)	FECHA_ENTRADA	FECHA_SALIDA
Bombeo Tomine	0	16	01/12/1982	

Formato 10. Capacidad Máxima Arco Generación

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)
Arco de Generacion Paraiso	0	70
Arco de Generacion La Guaca	0	70
Arco de Generacion Guavio	0	202.4
Arco de Generacion Betania	112.2	975
Arco de Generacion El Quimbo	0	375

Formato 11. Descarga Máxima Embalse Bogotá

EMBALSE	DESCARGA_MAX (m3/s)
Tomine	15
Sisga	12
Neusa	4.5
Chuza	13.5

Formato 12

No reportó información.

Formato 13. Demanda Acueducto y Riego

NOMBRE	AÑO_T (m3/s)	AÑO_T1 (m3/s)	AÑO_T2 (m3/s)	AÑO_T3 (m3/s)	AÑO_T4 (m3/s)	AÑO_T5 (m3/s)	FACTOR_RECUPERACION
Sistema Acueducto Bogota (SanRafaelSapoTibitoc)	0	0	0	0	15.95	0	85
Riego Rio Bogota hasta Achury	0	0	0	0	0.26	0	20

Formato 14

No reportó información.

Formato 15

No reportó información.

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
Cartagena 1	FO No.6 o equivalente	8784	390201.34	390201.34	365027.06	390201.34	377614.2	390201.34	377614.2	390201.34	390201.34	377614.2	390201.34	377614.2
Cartagena 2	FO No.6 o equivalente	8784	420597.17	420597.17	379894.22	420597.17	407029.52	420597.17	407029.52	420597.17	420597.17	407029.52	420597.17	407029.52
Cartagena 3	FO No.6 o equivalente	8784	444170.24	444170.24	401186.03	444170.24	429842.17	444170.24	429842.17	444170.24	444170.24	429842.17	444170.24	429842.17
Termozipa 2	Carbon	8784	303581.45	303581.45	283995.55	303581.45	293788.5	303581.45	293788.5	303581.45	303581.45	293788.5	303581.45	293788.5
Termozipa 3	Carbon	8784	456988.38	456988.38	427505.26	456988.38	442246.82	456988.38	442246.82	456988.38	456988.38	442246.82	456988.38	442246.82
Termozipa 4	Carbon	8784	441293.78	441293.78	412823.21	441293.78	427058.5	441293.78	427058.5	441293.78	441293.78	427058.5	441293.78	427058.5
Termozipa 5	Carbon	8784	384971.96	384971.96	360135.06	384971.96	372553.51	384971.96	372553.51	384971.96	384971.96	372553.51	384971.96	372553.51

Formato 17. Almacenamiento Combustible

PLANTA	COMBUSTIBLE	CAP_ALMACENAMIENTO	CANT_ALMACENADA (MBTU)
Cartagena 1	FUEL OIL No.6 o equivalente	33253.3	0
Cartagena 2	FUEL OIL No.6 o equivalente	31490.87	0
Cartagena 3	FUEL OIL No.6 o equivalente	33255.83	0
Termozipa 2	Carbon	45917.4	0
Termozipa 3	Carbon	55878.5	0
Termozipa 4	Carbon	58754.4	0
Termozipa 5	Carbon	59449.7	0

Formato 18

No reportó información.

Formato 19. Plantas Menores

NOMBRE	CAP_EFECTIVA_NETA (MW)	DISPONIBILIDAD (%)
Charquito	19.4	0
Tequendama	19.4	0
El Limonar	18	0
La Tinta	19.4	0
La Junca	19.4	0
Sueva	6	0.1
Santa Ana	8	35
San Antonio	19.4	0

Formato 1

No reportó información.

Formato 2

No reportó información.

Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
PROELECTRICAJETA1	90	9.5181	12.4494
PROELECTRICAGNI	90	8.1679	12.4494

Formato 4

No reportó información.

Formato 5

No reportó información.

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10

No reportó información.

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14. Suministro Gas Natural

PLANTA	CAMPO	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
PROELECTRICA GNI	IMPORTADO	8784	546922.58	546922.58	511637.26	546922.58	529279.92	546922.58	529279.92	546922.58	546922.58	529279.92	546922.58	529279.92

Formato 15. Transporte Gas Natural

PLANTA	PUNTO_ENTRADA	PUNTO_SALIDA	TRANSPORTE_DIC (MBTU)	TRANSPORTE_ENE (MBTU)	TRANSPORTE_FEB (MBTU)	TRANSPORTE_MAR (MBTU)	TRANSPORTE_ABR (MBTU)	TRANSPORTE_MAY (MBTU)	TRANSPORTE_JUN (MBTU)	TRANSPORTE_JUL (MBTU)	TRANSPORTE_AGO (MBTU)	TRANSPORTE_SEP (MBTU)	TRANSPORTE_OCT (MBTU)	TRANSPORTE_NOV (MBTU)
PROELECTRICA GNI	IMPORTACION	PROELECTRICA	546922.58	546922.58	511637.26	546922.58	529279.92	546922.58	529279.92	546922.58	546922.58	529279.92	546922.58	529279.92

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
PROELECTRICA JETA1	JETA1	8784	572716	572716	535767	572716	554241	572716	554241	572716	572716	554241	572716	554241

Formato 17. Almacenamiento Combustible

PLANTA	COMBUSTIBLE	CAP_ALMACENAMIENTO	CANT_ALMACENADA (MBTU)
PROELECTRICAJETA1	JETA1	235200	25890

Formato 18

No reportó información.

No reportó información.

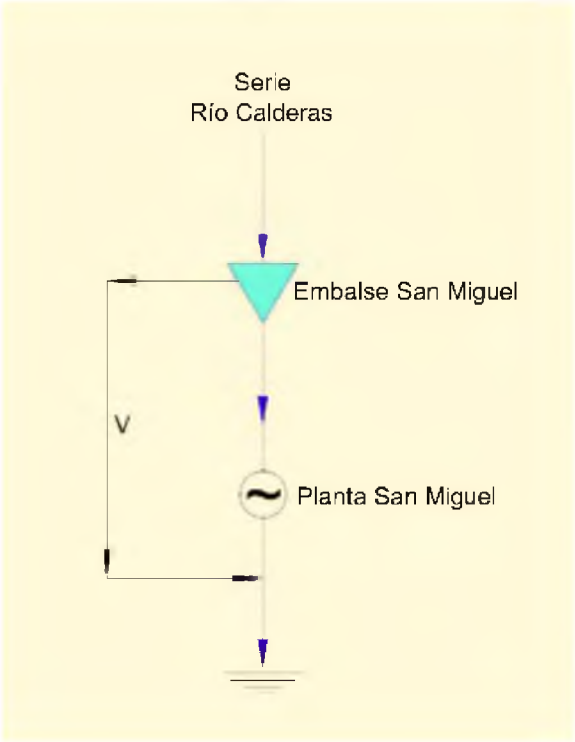
Formato 1. Plantas o Unidades Hidráulicas

NOMBRE	CAP. EFECTIVA NETA (MW)	EFICIENCIA (MW/(m3/s))	IHF (%)
SAN MIGUEL	42	1.2	15

Formato 2. Topología Plantas Hidráulicas

NOMBRE_SISTEMA	ELEMENTO_CLASE	ELEMENTO_NOMBRE	APORTES_RIO	APORTES_EMBALSE	APORTES_PLANTA	APORTES_OTRO	DESCARGA_RIO	DESCARGA_EMBALSE	DESCARGA_PLANTA	DESCARGA_OTRO	VERTIMIENTO_S RIO	VERTIMIENTO_S EMBALSE	VERTIMIENTO_S PLANTA	VERTIMIENTO_S OTRO
San Miguel	E	San Miguel	Calderas						San Miguel					Tierra
San Miguel	P	San Miguel		San Miguel						Tierra				

Formato 2A. Topología Plantas Hidráulicas



Formato 3

No reportó información.

Formato 4. Caudal Medio Mensual

RIO	AÑO	CAUDAL_ENERO (m3/s)	CAUDAL_FEBRE RO (m3/s)	CAUDAL_MARZ O (m3/s)	CAUDAL_ABRIL (m3/s)	CAUDAL_MAYO (m3/s)	CAUDAL_JUNIO (m3/s)	CAUDAL_JULIO (m3/s)	CAUDAL_AGOST O (m3/s)	CAUDAL_SEPTIE MBRE (m3/s)	CAUDAL_OCTU BRE (m3/s)	CAUDAL_NOVIE MBRE (m3/s)	CAUDAL_DICIE MBRE (m3/s)
Calderas	1974	55.01	41.41	32.65	52.19	50.06	46.35	32.03	75.44	54.03	55.89	75.26	42.33
Calderas	1975	44.3	54.72	44.18	48.35	65.69	47.04	53.6	47.55	62.99	54.23	56.46	43.76
Calderas	1976	54.24	49.6	49.26	59.22	54.09	30.26	8.07	14.47	21.34	26.37	37.6	22.42
Calderas	1977	40.74	40.82	24.86	27.04	39.96	31.09	24.57	33.07	27.58	48.74	47.22	32.78
Calderas	1978	29.63	21.78	39.7	64.96	57.73	38.05	56.31	24.28	43.68	47.47	52.01	59.31
Calderas	1979	27.99	31.15	45.91	47.65	41.85	38.46	13.53	31.12	52.52	26.92	45.94	25.04
Calderas	1980	35.2	32.71	19.94	27.79	44.81	41.93	22.39	28.25	31.3	50.23	62.83	41.3
Calderas	1981	29.06	60.46	44.45	48.2	59.59	68.84	38.82	30.56	52.91	39.08	56.85	42.07
Calderas	1982	31.95	75.88	39.89	40.24	64.96	25.37	16.64	12.78	51.32	43.7	24.51	23.41
Calderas	1983	29.98	34.19	24.06	61.78	39.5	34.15	18.31	11.8	72.51	44.87	48.32	36.05
Calderas	1984	30.6	50.67	49.46	39.36	39.94	53.67	45.34	39.62	54.91	73.22	58.37	63.99
Calderas	1985	28.52	38.57	44.46	56.1	39.13	20.1	11.67	51.58	45.6	65.12	41.11	27.66
Calderas	1986	46.84	27.13	46.85	25.98	44.79	48.31	6.72	42.49	38.28	45.37	52.71	38.39
Calderas	1987	47.47	41.8	19.59	41.49	48.43	22.43	29.54	32.43	42.72	46.24	49.48	41.01
Calderas	1988	31.49	29.53	23.17	49.15	34.4	26.61	22.7	64.68	60.13	44.7	45.97	44.77
Calderas	1989	55.9	59.39	33.01	50.16	34.11	32.46	15.29	40.88	59.37	51.17	37.78	31.27
Calderas	1990	30.14	24.42	26.91	42.85	24.91	14.36	29.49	16.37	28.7	48.02	38.94	28.41
Calderas	1991	34.64	27.47	30.29	25.3	44.97	41.69	23.59	19.43	36.28	32.84	43.71	41.78
Calderas	1992	28.03	29.52	34.03	37.32	64.88	33.75	16.22	36.39	44.97	28.94	33.3	40.35
Calderas	1993	47.03	34.75	29.81	47.56	53.81	16.25	22.01	36.16	72.6	50.32	59.06	57.94
Calderas	1994	44.78	42.48	41.59	51.8	62.52	31.06	26.55	20.93	26.75	30.83	57.08	37.32
Calderas	1995	15.72	21.96	40.99	37.67	44.82	48.19	40.83	47.33	29.67	37.12	33.98	44.97
Calderas	1996	39.64	38.46	34.06	46.94	61.75	38.74	36.29	41.23	40.84	50.02	29.51	64.14
Calderas	1997	39.41	42.1	30.68	44.67	26.43	37.23	17.22	14.49	37.02	29.43	34.28	20.22
Calderas	1998	26.11	38.33	36.09	74.01	41.09	29.86	38.73	44.85	51.47	42.73	46.95	49.96
Calderas	1999	51.65	50.46	40.05	42.43	39.24	40.16	28.99	25.53	48.56	36.96	47.76	72.72
Calderas	2000	41.86	38.17	62.82	59.59	61.1	58.62	56.38	48.23	70.52	39.04	39.35	40.38
Calderas	2001	40.36	37.21	52.63	45.87	79.01	44.24	51.47	24.6	48.81	47.18	42.35	55.05
Calderas	2002	36.9	47.18	49.08	47.61	35.52	27.54	29.69	27.03	53.21	49.46	56.88	39.01
Calderas	2003	26.67	40.9	26.66	44.71	56.79	57.51	35.33	29.93	52.04	60.26	42.63	33.6
Calderas	2004	54.5	32.36	48.02	64.38	43.56	23.41	30.13	29.52	54.2	40.7	50.27	36.09
Calderas	2005	40.33	47.83	37.38	44.72	50.81	38.46	27.99	31.43	38.07	33.91	43.17	40.25
Calderas	2006	45.4	43.44	51.82	46.32	50.58	33.81	42	47.86	53.55	55.07	53.17	45.83
Calderas	2007	50.65	38.18	50.43	65.73	57.88	36.6	42.46	45.04	51.15	54.26	54.26	37.83
Calderas	2008	39.45	43.7	70.77	47.41	66.97	61.37	52.9	59.34	45.21	58.82	59.27	48.65
Calderas	2009	69.39	65.68	68.68	60.65	50.05	47.86	33.3	35.69	34.24	33.53	46.13	50.08
Calderas	2010	45.96	51.31	49.13	44.89	50.51	52.03	63.27	48.69	70.07	42.17	59.13	46.79

Formato 5. Embalses

NOMBRE	MIN_TECNICO (Mm3)	MAX_TECNICO (Mm3)
San Miguel	0	0

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10. Capacidad Máxima Arco Generación

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)
San Miguel	0	35

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14

No reportó información.

Formato 15

No reportó información.

Formato 16

No reportó información.

Formato 17

No reportó información.

Formato 18

No reportó información.

Formato 19. Plantas Menores

NOMBRE	CAP_EFECTIVA_NETA (MW)	DISPONIBILIDAD (%)
La Cascada	2.3	0
Caruquia	9.5	0
Guanaquitas	9.5	0
Barroso	19.9	0
El Popal	19.9	0
San Bartolomé	19.9	0
Oibita	19.9	0
Santa Rosa	19.9	0
Altamira	19.9	0
El Molino	19.9	0
San Matías	19.9	0
San Marcos	19.9	0
Aguabonita	19.9	0
Tafetanes	11	0

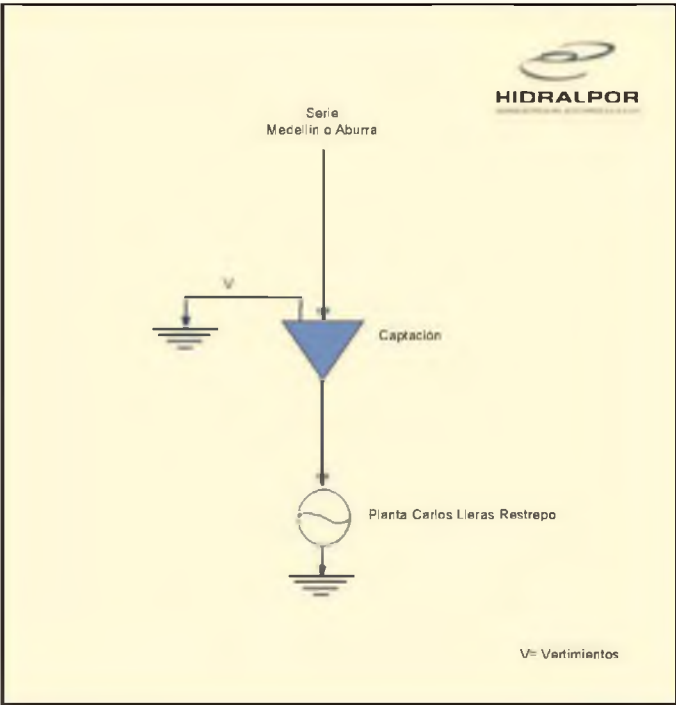
Formato 1. Plantas o Unidades Hidráulicas

NOMBRE	CAP. EFECTIVA NETA (MW)	EFICIENCIA (MW/(m3/s))	IHF (%)
Carlos Lleras Restrepo	78.1	1.0635	15

Formato 2. Topología Plantas Hidráulicas

NOMBRE_SISTEMA	ELEMENTO_CLASE	ELEMENTO_NOMBRE	APORTES_RIO	APORTES_EMBALSE	APORTES_PLANTA	APORTES_OTRO	DESCARGA_RIO	DESCARGA_EMBALSE	DESCARGA_PLANTA	DESCARGA_OTRO	VERTIMIENTO_S RIO	VERTIMIENTO_S EMBALSE	VERTIMIENTO_S PLANTA	VERTIMIENTO_S OTRO
Calos Lleras Restrepo	P	Carlos Lleras Restrepo	Medellín o Aburrá				Medellín o Aburrá (Tierra)				Medellín o Aburrá (Tierra)			

Formato 2A. Topología Plantas Hidráulicas



Formato 3

No reportó información.

Formato 4. Caudal Medio Mensual

RIO	AÑO	CAUDAL_ENERO (m3/s)	CAUDAL_FEBRE RO (m3/s)	CAUDAL_MARZ O (m3/s)	CAUDAL_ABRIL (m3/s)	CAUDAL_MAYO (m3/s)	CAUDAL_JUNIO (m3/s)	CAUDAL_JULIO (m3/s)	CAUDAL_AGOST O (m3/s)	CAUDAL_SEPTIE MBRE (m3/s)	CAUDAL_OCTU BRE (m3/s)	CAUDAL_NOVIE MBRE (m3/s)	CAUDAL_DICIE MBRE (m3/s)
Medellín o Aburrá	1980	51.7	54.1	53.3	46.3	50.1	60.1	43	40.8	45	69	66	60.4
Medellín o Aburrá	1981	49.9	46	41.7	63.6	92.4	100.8	85.3	69.7	84.3	94.9	89.8	74.2
Medellín o Aburrá	1982	73.8	76.5	75.4	103.3	125	88.7	68.5	60.8	56.2	88.4	83.3	67.1
Medellín o Aburrá	1983	56.1	58	61.6	76.9	72	67.2	64.6	59.7	79.9	72.3	62.4	76.2
Medellín o Aburrá	1984	69.4	65.1	60.8	59.4	79	93	90.5	91.8	93.3	116	106.9	74.4
Medellín o Aburrá	1985	60.8	61.1	63.8	67.9	80.6	67.7	60.7	82.6	88.2	87.2	86	66.6
Medellín o Aburrá	1986	59.1	67.4	65.6	81.2	75.3	81.8	65.6	61.2	54.5	92.9	74.9	60.8
Medellín o Aburrá	1987	56.8	58.8	37.7	47.4	79	45.6	53.6	66.2	70.1	90	73	77.6
Medellín o Aburrá	1988	63.8	44.4	40.2	61.7	70.7	78.6	78.4	110.4	113.6	111.7	127.5	104.6
Medellín o Aburrá	1989	86	78.8	77.4	68.5	89.4	81.3	67.5	77.7	104.4	93.9	90.9	71.2
Medellín o Aburrá	1990	62.9	67.4	67.1	73.1	76.2	76.3	68.2	46.2	66.1	104.2	87.3	71.5
Medellín o Aburrá	1991	61.9	53.8	53.2	55.8	70.4	69.5	57.4	51.3	45.9	70.4	71.4	71.5
Medellín o Aburrá	1992	58.1	41.9	38.5	38.8	55	43	38.7	47.3	64.4	55.1	57.1	65
Medellín o Aburrá	1993	51.2	33.5	37.6	59.2	85.3	53.6	57.2	51.2	83.6	76.2	103.1	104.6
Medellín o Aburrá	1994	37.7	31.7	37.3	53.5	60.2	69.9	58.2	52.4	59.4	76.8	90.4	57.7
Medellín o Aburrá	1995	40.8	42	50.3	45.7	55	68.4	72.2	104.4	75.9	88.3	79.7	82.6
Medellín o Aburrá	1996	67	66.2	88.2	86.3	98.1	87.9	89	80.7	83.5	85.4	69.6	60.9
Medellín o Aburrá	1997	61.5	62.4	55.1	62.7	55.1	69.4	40.7	32.7	39.1	37.8	53.2	43.6
Medellín o Aburrá	1998	35.8	35.2	34.2	47.6	75.1	50.4	62.6	63.6	99.3	102.7	95.8	111
Medellín o Aburrá	1999	77.7	100.3	93.1	78.7	92.7	88.9	60.6	46.7	84.5	99.9	90.2	101.4
Medellín o Aburrá	2000	70.6	71.8	66.8	69.9	100.7	105.4	77.5	74.1	104.6	84.3	75.4	65.5
Medellín o Aburrá	2001	63.3	62.4	50.5	41.3	48.6	59.5	65.6	40.5	50	57	62.7	65.2
Medellín o Aburrá	2002	61	54.9	41.7	75.1	73.7	115.3	74.5	59.5	41.9	52.3	71.3	60.8
Medellín o Aburrá	2003	46.4	63.1	66.7	82	116	81.2	82.1	85	94.2	81.1	75.1	72.9
Medellín o Aburrá	2004	87.4	84	78.9	75.1	99.9	77.1	104.1	67.2	107.9	120.1	135.1	103.4
Medellín o Aburrá	2005	82.6	69.7	64	74	126.1	98.9	88.1	72.5	58.6	94	126.1	93.5
Medellín o Aburrá	2006	90	84.3	94.8	114.3	137.6	126.1	77.3	87.4	93.4	89	130.4	102.9
Medellín o Aburrá	2007	78	79	82.1	98.2	122.7	99.3	92.7	100.2	109	146	120.8	108.3

Formato 5

No reportó información.

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10. Capacidad Máxima Arco Generación

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)
Carlos Lleras Restrepo	0	75

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14

No reportó información.

Formato 15

No reportó información.

Formato 16

No reportó información.

Formato 17

No reportó información.

Formato 18

No reportó información.

Formato 19

No reportó información.

Formato 1. Plantas o Unidades Hidráulicas

NOMBRE	CAPACIDAD EFECTIVA NETA (MW)	EFICIENCIA (MW/(m3/s))	IHF (%)
Ambeima	45	3.7924	15

Formato 2. Topología Plantas Hidráulicas

NOMBRE_SISTEMA	ELEMENTO_CLASE	ELEMENTO_NOMBRE	APORTES_RIO	APORTES_EMBALSE	APORTES_PLANTA	APORTES_OTRO	DESCARGA_RIO	DESCARGA_EMBALSE	DESCARGA_PLANTA	DESCARGA_OTRO	VERTIMIENTO_RIO	VERTIMIENTO_EMBALSE	VERTIMIENTO_PLANTA	VERTIMIENTO_OTRO
Ambeima	P	Ambeima	Ambeima				Ambeima (Tierra)				Ambeima (Tierra)			

Formato 2A. Topología Plantas Hidráulicas



Formato 3

No reportó información.

Formato 4. Caudal Medio Mensual

RIO	AÑO	CAUDAL_ENERO (m3/s)	CAUDAL_FEBRE RO (m3/s)	CAUDAL_MARZO (m3/s)	CAUDAL_ABRIL (m3/s)	CAUDAL_MAYO (m3/s)	CAUDAL_JUNIO (m3/s)	CAUDAL_JULIO (m3/s)	CAUDAL_AGOSTO (m3/s)	CAUDAL_SEPTIEMBRE (m3/s)	CAUDAL_OCTUBRE (m3/s)	CAUDAL_NOVIEMBRE (m3/s)	CAUDAL_DICIEMBRE (m3/s)
Ambeima	1988	6.43	6.44	5.92	7.04	7.71	11.06	12.95	7.96	7.36	7.78	11.85	12.7
Ambeima	1989	8.29	9.18	13.68	8.8	11.68	11.43	12.14	8.77	7.68	9.45	9.27	7.23
Ambeima	1990	6.02	6.04	6	7.96	12.1	10.76	10.7	8.68	8.64	9.56	7.2	7.62
Ambeima	1991	5.23	5.07	7.13	6.5	9.76	10.97	11.76	11.26	10.05	7.91	8.49	7
Ambeima	1992	4.14	3.96	3.68	6.67	8.09	6.92	13.15	8.81	6.46	5.78	6.66	7.76

Ambeima	1993	4.72	5.42	7.8	11.41	11.73	10.33	9.98	8.62	7.97	7.39	10.7	9.04
Ambeima	1994	7.83	7.72	9.54	13.76	15.57	13.04	12.37	8.91	7.55	9.04	10.36	7.15
Ambeima	1995	4.32	3.92	6.46	8.1	11.82	11.46	13.26	11.22	9.36	9.64	8.28	8.2
Ambeima	1996	6.14	7.92	9.3	10	14.98	12.86	14.78	9.2	8.6	10.02	7.82	8.6
Ambeima	1997	9.9	7.43	5.94	9.23	9.71	9.7	11.57	7.3	6.36	6.38	6.98	4.62
Ambeima	1998	3.42	4.47	5.95	12.58	12.32	15.12	14.18	9.52	8.83	11.39	10.32	10.02
Ambeima	1999	11.45	16.55	13.32	18.23	15.58	15.54	12.52	12.54	12.3	16.46	13.68	15.84
Ambeima	2000	9.7	11.22	10.64	12.02	19.88	16.1	11.74	12.26	13.9	13.12	13.58	8.22
Ambeima	2001	6	5.26	8.5	8.08	11.08	12.12	11.32	8.76	10.68	6.58	8.7	11.22
Ambeima	2002	4.94	3.66	7.24	9.98	11.64	18.88	12.42	12.1	8.88	10.12	9.92	7.56
Ambeima	2003	4.52	4.8	7.22	10.92	11.86	12.38	11.74	9.62	6.96	10.54	9.04	7.56
Ambeima	2004	6.2	4.68	4.52	9.02	14.54	12.48	11.22	10.1	7.86	9.96	11.34	8.78
Ambeima	2005	6.22	12.12	9.12	10.57	13.79	10.42	9.39	11.07	9.91	12.1	14.34	11.79
Ambeima	2006	11.41	8.73	10.4	13.72	13.33	17.36	13.39	10.8	10.27	10.15	14.47	11.58
Ambeima	2007	7.3	5.16	7.46	13.68	17.23	18.88	14.04	15.53	10.88	11.49	10.15	9.5
Ambeima	2008	8.26	11.93	12.17	11.99	16.98	15.23	17.69	18.45	16.04	16.05	10.15	18.71
Ambeima	2009	15.55	13.9	12.51	14.78	9.68	12.05	8.81	8.42	5.57	5.69	5.96	4.64
Ambeima	2010	2.6	2.66	6.04	13.93	12.81	11.68	14.81	8.24	10.95	8.73	14.14	13.13

Formato 5

No reportó información.

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10. Capacidad Máxima Arco Generación

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)
Ambeima	0	11.5

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14

No reportó información.

Formato 15

No reportó información.

Formato 16

No reportó información.

Formato 17

No reportó información.

Formato 18

No reportó información.

Formato 19

No reportó información.

Formato 1

No reportó información.

Formato 2

No reportó información.

Formato 3

No reportó información.

Formato 4

No reportó información.

Formato 5

No reportó información.

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10

No reportó información.

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14

No reportó información.

Formato 15

No reportó información.

Formato 16

No reportó información.

Formato 17

No reportó información.

Formato 18

No reportó información.

Formato 19. Plantas Menores

NOMBRE	CAP_EFECTIVA_NETA (MW)	DISPONIBILIDAD (%)
Rumor	2.5	0
Rio Frio I	1.69	9.66
Rio Frio II	10	13.47

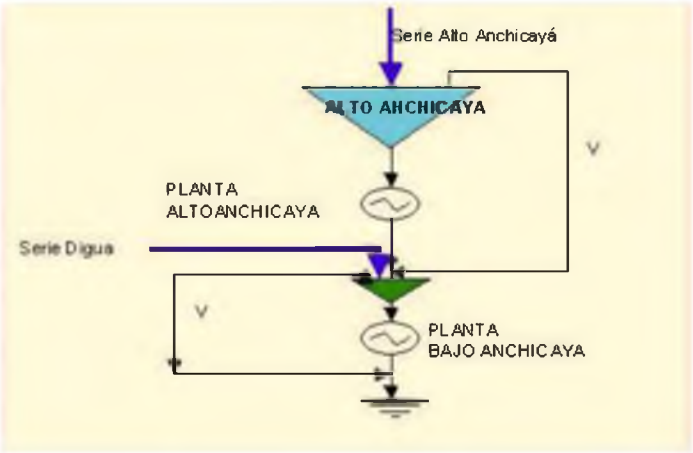
Formato 1. Plantas o Unidades Hidráulicas

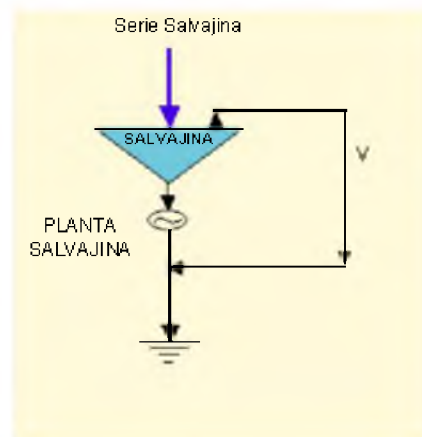
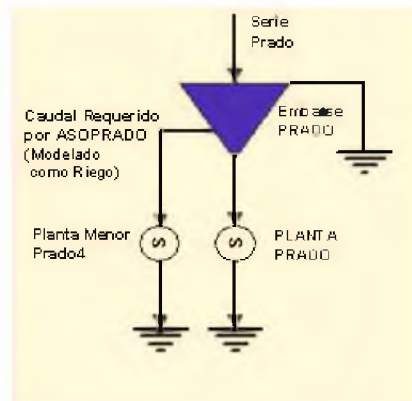
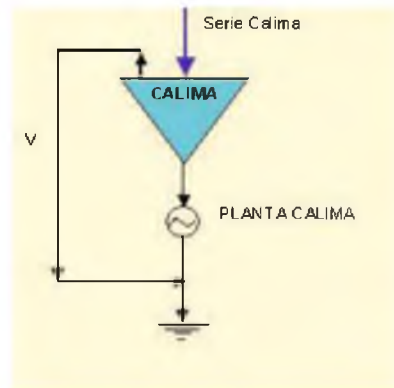
NOMBRE	CAP. EFECTIVA NETA (MW)	EFICIENCIA (MW/(m3/s))	IHF (%)
Alto Anchicaya	355	3.5518	18.8693
Bajo Anchicaya	74	0.7004	12.4287
Calima	132	1.9173	25.9284
Salvajina	285	1.018	13.7131
Prado	46	0.498	7.6743

Formato 2. Topología Plantas Hidráulicas

NOMBRE_SISTEMA	ELEMENTO_CLASE	ELEMENTO_NOMBRE	APORTES_RIO	APORTES_EMBALSE	APORTES_PLANTA	APORTES_OTRO	DESCARGA_RIO	DESCARGA_EMBALSE	DESCARGA_PLANTA	DESCARGA_OTRO	VERTIMIENTO_S_RIO	VERTIMIENTO_S_EMBALSE	VERTIMIENTO_S_PLANTA	VERTIMIENTO_S_OTRO
Prado	E	Prado	Prado						Prado-Prado4					Tierra
Prado	P	Prado		Prado						Tierra				
Prado	OU	Prado4		Prado						Asoprado - Tierra				
Anchicaya	E	Alto Anchicaya	Alto Anchicaya						Alto Anchicaya				Bajo Anchicaya	
Anchicaya	P	Alto Anchicaya		Alto Anchicaya					Bajo Anchicaya					
Anchicaya	P	Bajo Anchicaya	Digua		Alto Anchicaya	Vertimientos Alto Anchicaya				Tierra				Tierra
Calima	E	Calima	Calima						Calima					Tierra
Calima	P	Calima		Calima						Tierra				
Salvajina	E	Salvajina	Salvajina						Salvajina					Tierra
Salvajina	P	Salvajina		Salvajina						Tierra				

Formato 2A. Topología Plantas Hidráulicas





Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
Termovalle	194.95	6.7581	20
Termovalle Gas - GNI	202.39	6.732	20

Formato 4. Caudal Medio Mensual

RIO	AÑO	CAUDAL_ENERO (m3/s)	CAUDAL_FEBRE RO (m3/s)	CAUDAL_MARZ O (m3/s)	CAUDAL_ABRIL (m3/s)	CAUDAL_MAYO (m3/s)	CAUDAL_JUNIO (m3/s)	CAUDAL_JULIO (m3/s)	CAUDAL_AGOST O (m3/s)	CAUDAL_SEPTIE MBRE (m3/s)	CAUDAL_OCTU BRE (m3/s)	CAUDAL_NOVIE MBRE (m3/s)	CAUDAL_DICIE MBRE (m3/s)
Alto Anchicaya	1975								56.6	62.5	70.9	69.2	73.8
Alto Anchicaya	1976	48	53.6	46.5	49.8	58.5	38.2	16.3	11.9	19.4	43.4	56.8	39.2
Alto Anchicaya	1977	24.3	22.8	26.2	35.5	73	45.7	34.9	40.4	48.1	81.7	64.5	48.3
Alto Anchicaya	1978	43.5	20	32.6	78.6	62.1	42.3	39.2	23.3	37.5	58.9	61.5	73
Alto Anchicaya	1979	39.4	25.6	45.6	51.9	57.1	51.1	32.1	38.3	54.3	57.7	53.2	46.9
Alto Anchicaya	1980	35.1	47	29.1	31.5	51.7	48.3	26.8	26.7	32.2	59.3	53.6	59.1
Alto Anchicaya	1981	36	55	46.8	73.1	78	53.5	47.8	37.3	32.9	68.6	53.6	55.9
Alto Anchicaya	1982	59.5	59	51.9	80.2	70.8	46.9	23.4	12.5	23.8	52.4	55.2	40.1
Alto Anchicaya	1983	20.9	15.6	30.5	54	48.2	34.8	16.9	12	18.4	39.9	41.5	56.2
Alto Anchicaya	1984	44	50.6	33.6	49.4	60.5	47.9	42.1	44.4	64.4	81.9	56.8	62.2
Alto Anchicaya	1985	59.1	24.2	28.4	30.8	34.4	33.6	16.7	37.2	37.7	55.5	56.7	42.3
Alto Anchicaya	1986	53.7	49	27.9	56.1	55.8	38.1	23.4	14.3	22.4	68.7	64	27.1
Alto Anchicaya	1987	31.4	28	17.7	27.7	51.9	32	23.1	32.7	33.5	68.9	50.5	40.7
Alto Anchicaya	1988	27.6	33.8	20	53.8	44.9	48.6	49.2	42.9	49.2	68	99.1	57.9
Alto Anchicaya	1989	57.3	44.7	34.6	24.1	50.7	44.5	28.3	29.2	47.3	68	62.4	51.5
Alto Anchicaya	1990	46.4	43.2	40.4	48.7	38.8	29	25.8	18.8	31.3	46.2	62	40.3
Alto Anchicaya	1991	29.6	23.1	30.4	36.3	58.3	54.4	24.2	17.9	27.4	36.4	45.3	46.9
Alto Anchicaya	1992	29.6	27.5	24	24.4	30.8	24.1	15.7	16.52	28.8	36.8	45.6	54.9
Alto Anchicaya	1993	47.3	36.8	31.2	50.8	59.7	32	23.8	15.5	34.35	62.3	74.8	59
Alto Anchicaya	1994	52.02	43.87	57.23	74.12	60.37	50.91	29.67	29.59	30.37	57.96	62.07	52.46
Alto Anchicaya	1995	25.3	17.8	26.5	53.9	61.4	62.5	46.4	37.7	39.4	65.9	58.4	64.4
Alto Anchicaya	1996	35.5	41	52.8	48.66	69.13	56.27	46.94	46.74	50.26	65.38	67.61	47.32
Alto Anchicaya	1997	69.54	38.14	39.12	47.82	37.12	45.27	15.84	10.18	20.93	26.69	60.19	22.89
Alto Anchicaya	1998	16.7	27.7	30	63.51	48.98	39.7	33.9	33.3	46.8	43.9	71.91	49.6
Alto Anchicaya	1999	60.63	77.54	51.57	57.5	48.47	53.09	32.53	37.85	52.09	64.57	72.23	65.8
Alto Anchicaya	2000	51.71	48.83	44.35	50.16	53.87	56.6	39.47	33.35	44.64	61.55	59.21	39.82
Alto Anchicaya	2001	34.04	37.62	47.31	31.39	52.36	43.12	34.14	21.21	36.22	58.25	69.39	69.4
Alto Anchicaya	2002	30.71	21.48	40.41	63.11	37.77	28.82	34.34	27.59	36.65	54.54	51.4	50.92
Alto Anchicaya	2003	34.01	33.79	33.99	58.54	68.47	60.8	37.24	38.72	40	71.39	60.47	52.61
Alto Anchicaya	2004	52.6	20.52	21.4	43.91	54.37	32.98	37.27	25.77	44.86	68.61	65.53	52.92
Alto Anchicaya	2005	50.78	47.65	45.63	43.46	52.7	41.51	27.59	30.09	32.01	69.25	77.15	45.55
Alto Anchicaya	2006	42.9	45.27	54.85	63.61	66.52	59.62	29.14	26.54	22.5	37.73	54.27	61.27
Alto Anchicaya	2007	60.42	28.77	38.45	63.55	60.38	45.8	37.82	39.93	42.02	68.33	64.91	66.41
Alto Anchicaya	2008	65.62	52.99	39.64	54.8	69.47	45.07	40.54	42.43	39.82	45.41	56	41.53
Alto Anchicaya	2009	48.24	45.59	55.91	49.8	42.28	48.76	27.7	21.52	25.48	31.62	48	42.66
Alto Anchicaya	2010	22.57	31.27	27.37	53.35	42.49	44.84	59.15	34.88	44.67	59.7	98.73	73.5
Calima	1946	12.9	7.7	9.7	20.9	30.5	11.4	6.4	4.6	3.5	9.4	19	17
Calima	1947	13.5	11.6	9	12.4	16.3	20.2	18.6	12.8	15.7	27.5	18.9	12.4
Calima	1948	7.8	7.2	7.8	15	23.7	22.6	11.6	5.2	8.6	16.8	23	13.1
Calima	1949	12.2	13.7	13.7	13.2	24	18.6	15.5	10.1	9.7	25.3	32.3	17.6
Calima	1950	13.2	23	28.2	28.9	39.8	35.7	16.4	13.9	8.6	17.7	29.9	25.8
Calima	1951	14.8	18.4	11.8	10.6	16	15.9	12.6	7.6	8.2	10.9	22.6	17.4
Calima	1952	14.1	14.8	9.5	10.3	20.3	13.5	10.5	10.3	6.7	10.3	18.7	20.1
Calima	1953	13.3	11.2	8.3	13.1	15.8	10.2	6.4	4.2	6.5	24.2	27.4	20.3
Calima	1954	11.7	8.6	8.7	18.3	21.6	15.1	12.8	10.9	6.5	17.9	22.4	29.2
Calima	1955	17.2	11.2	14.6	22.5	18.6	17.9	14.1	12.6	12.2	30.3	29	32.6
Calima	1956	22.6	17.6	13.2	15.1	16.8	19.3	9.5	6.1	5.9	15.4	18.7	16.7
Calima	1957	11.9	8.3	8.8	11.7	12.8	9.8	4.4	4.1	8.6	13.8	13.9	13.9
Calima	1958	7.6	5.9	6	8.7	14.2	11.4	6.8	7.6	4.6	7.5	11.6	11.9
Calima	1959	9.3	5.5	5	10.2	14.9	17.8	11.1	8.5	6.2	14.8	14.9	19.2
Calima	1960	22.5	18.7	8.4	14	15.1	14.3	13.7	8.6	6.7	15.4	21.4	26.1
Calima	1961	11.6	8.8	6.8	17.9	12.2	14	9.5	5.1	5.9	8.2	24.9	15.3
Calima	1962	11.9	10.5	10.2	19.9	19.7	19	11.4	8.8	6.5	15	21.1	15.8
Calima	1963	9.7	15.2	12.9	15.4	20.4	13.9	10	7.9	7	12.2	31.9	12.1
Calima	1964	6.9	5.1	5	22.8	18	23	15	12.6	10.6	18.3	16.7	14.7
Calima	1965	13	7.6	6	12	13.3	5.6	4.1	5.4	9.2	15.9	19.5	12.4

Calima	1966	7.8	5.5	5.4	6.9	13.2	14.1	12.8	8.9	6.2	11.6	22.5	9.5
Calima	1967	9.6	10.5	10.3	4.9	11.5	11.2	6.5	6.1	4.8	12.6	19.4	13.5
Calima	1968	7.8	8.7	8.3	16.3	11.8	14.9	9.5	5.7	11.6	19.6	18.6	12.7
Calima	1969	7.5	6.2	6.1	13.5	15.6	12.3	4.1	4.5	6.6	18.9	13.8	10.3
Calima	1970	7.6	7.6	11.1	12.7	14.8	14	8.5	5.5	8	17	28	20.7
Calima	1971	23.9	21.3	22.6	18.1	24.3	13.1	8.2	10.8	15.4	21.1	26.9	12.7
Calima	1972	16.7	11.8	9.6	9.4	14	10.7	5.1	3.4	4.5	8.3	17.1	10.7
Calima	1973	3.7	0.6	3.5	6.7	12.3	16.8	9.1	18.4	24.9	27.4	29.5	20.5
Calima	1974	20.5	22.5	15.8	12.9	15.8	14.7	7.9	6.5	11.1	20.1	26.2	15.8
Calima	1975	7.9	11.2	12.7	9.7	15.9	11	13	10.8	14.8	16.6	35.4	31.1
Calima	1976	9.6	7.3	9.6	8.6	16.7	9.5	2.8	1	1.5	6.2	9.3	8
Calima	1977	4.1	3.1	2.3	4.3	10.6	9.1	5.8	10.7	7.6	22.4	22.7	11.8
Calima	1978	7.9	3.9	6.2	19.6	18.1	10	9.2	5.2	7.7	17.3	18.1	21.1
Calima	1979	8	5.1	8.3	16.5	16.5	15	6.9	7.7	13.1	13.2	19.8	15
Calima	1980	8.3	9.3	5.3	5.3	9.2	8.9	3.1	2.4	2.7	11.7	15.5	15.9
Calima	1981	8.3	7.5	7.6	15.6	25.7	16.5	13.6	7.8	7.9	13.3	26.9	17.6
Calima	1982	15.1	12	10.7	15.2	26.1	12.8	4.9	1.2	3.1	10.8	14.6	10.8
Calima	1983	4.9	1.3	4.8	14.7	14	8.6	3.1	0.2	1.5	7.4	8.6	14.9
Calima	1984	13.3	13.7	8	13	13.8	11	11.1	7.8	12.5	22.5	24.4	14.4
Calima	1985	17.3	9.2	5.4	6.2	9.5	9.5	2.4	6.6	11.3	17.3	17.4	13.1
Calima	1986	10.95	12.15	12.35	17.6	12.88	12.08	4.56	4.07	3.13	18.2	15.94	7.21
Calima	1987	4.8	2.59	5.7	5.57	8.73	4.73	3.72	5.7	4.87	14.2	9.9	8.28
Calima	1988	3.81	4.48	4.76	13.54	13.94	11.9	12.03	8.6	14.15	18.36	32.75	22.16
Calima	1989	16.77	12.53	13.58	6.63	11.24	9.3	5.88	5.7	10.91	15.14	17.92	21.17
Calima	1990	14.15	8.34	6.4	8.5	8.8	6.25	4.7	2.56	4.2	11.46	13.2	13.16
Calima	1991	8.53	5.7	6.25	6.71	13.25	11.09	8.99	4.74	5.3	6.27	9.07	7.33
Calima	1992	5.55	5.96	6	6.71	6.86	4.72	2.89	1.55	3.6	5.2	6.9	10.6
Calima	1993	9.6	6.3	7.8	12.4	17	7.2	3.9	2	6.07	8.4	15.8	17.5
Calima	1994	10.46	12.6	18.38	21.98	19.71	15.42	5.75	2.96	4.06	10.67	17.1	12.1
Calima	1995	3.9	1.9	2.6	11.5	9.3	9.8	7.8	8.5	4.7	16.6	16.4	14.9
Calima	1996	9.8	12.8	12.5	9.48	14.23	14.09	11.75	6.41	7.61	13.26	15.23	13.54
Calima	1997	17.35	11.56	11.95	10.33	8.86	12.26	4.66	3.72	3.59	3.63	12.18	5.02
Calima	1998	3.4	3.7	4.07	9.11	9.9	11	7.2	7.6	11.7	7.87	19.79	13.2
Calima	1999	12.26	20.27	22.28	17.58	14.08	10.03	5.99	4.91	17.5	17.46	29.09	25.08
Calima	2000	18.43	11.75	19.31	22.97	25.75	15.13	8.9	4.97	8.22	9.49	24.37	8.27
Calima	2001	4.8	3.78	9.09	11.99	11.36	9.54	6.62	2.63	3.69	6.62	15.16	17.42
Calima	2002	8.18	3.13	4.91	10.46	8.22	5.01	4.1	2.05	4.15	8.75	13.57	12.66
Calima	2003	3.55	3.29	3.01	12.3	9.53	10.4	6.75	6.8	5.52	21.4	22.28	18.65
Calima	2004	16.5	7	4.19	8.2	10.84	10.83	10.09	6.67	11.22	17.63	23.94	15.84
Calima	2005	11.35	13.73	12.14	11.64	15.93	9.52	7.93	5.49	5.88	11.99	20.23	20.2
Calima	2006	14.3	10.9	16.2	25.81	23.08	15.69	9.42	6.36	10.69	15.55	15.47	18.3
Calima	2007	12	6.43	10.74	16	14.87	12.33	9.58	10.44	11.33	21.32	26.4	26.68
Calima	2008	16.43	16.22	17.3	20.33	22.98	14.19	10.61	9.63	13.27	12.28	23.02	21.29
Calima	2009	14.22	11.28	14.39	16.01	10.88	7.65	6.58	4.08	3.36	6.33	12.8	9.53
Calima	2010	3.94	2.76	4.83	9.78	13.88	11.52	15.37	7.51	10.42	17.21	39	27.01
Digua	1975								23.7	36.8	36.9	62.9	73.1
Digua	1976	38.2	40.9	54.1	34.1	43.7	30.4	12	5.8	8.2	18.1	35.9	19.3
Digua	1977	12.6	10.2	9.5	16.2	51.4	35	19.4	26.5	26.2	44.8	43.4	22
Digua	1978	16.7	6.9	14.4	43.2	41.8	28	21.9	18.1	21.9	46	40.1	42.3
Digua	1979	20.3	12.2	18	17	22.2	29.7	19.3	19.6	41	43	42.3	37.7
Digua	1980	18.9	22.7	17.7	14.7	29.3	22.2	20.9	21.9	25.6	39.5	45.2	40.8
Digua	1981	26.9	21.6	18.5	32.8	43	34.4	29.7	29.2	26.4	34.1	59	26.6
Digua	1982	38.2	33.7	30.3	49.8	38.1	20.6	16.4	10.1	20.2	40.9	39.8	21.4
Digua	1983	10.7	7.8	8.3	22.5	25.4	21.7	6.8	5.5	8.3	21.4	37	45.1
Digua	1984	28.2	23.8	19.5	20.6	29.8	23.9	26.8	24.8	39.7	52.2	50.6	46.6
Digua	1985	33	17.7	18.5	24.3	27.3	31.1	17.9	29	28.5	51.5	57	39
Digua	1986	27.7	35.7	21	34.4	40.8	31	20.8	13.3	13.9	65.6	47.3	26.3
Digua	1987	21.1	18.7	14.5	19.1	35.5	29.6	19.9	25.5	23.8	53	35.9	32
Digua	1988	25.8	23.8	16.3	29.4	31.8	36.8	36.6	30.7	35.8	51.9	67.6	35.3
Digua	1989	34.9	37.4	25	16.5	38.4	32.4	21.9	31.1	43.1	52	41.5	
Digua	1990	30.8	26	21.9	28.7	26.3	20	14.9	15.2	23.6	51.2	48.7	36.3
Digua	1991	28.3	17.4	22	27.5	41.1	32.2	19.8	15	25.2	33.9	42.5	36.9
Digua	1992	21.1	23.99	16.33	13.28	20.51	19.98	14.5	13.4	25.8	33.2	33.9	42.9
Digua	1993	35.8	27.9	25	31	35.7	25.87	23.5	16.7	27.55	44.8	49.9	35.27
Digua	1994	30.72	32.12	33.56	53.61	52.85	34.23	15.37	18.09	21.4	65.4	65.24	31.57
Digua	1995	11.77	10.94	17.05	36.69	38.63	38.99	27.99	27.07	32.7	51.13	34.72	41.64
Digua	1996	24.1	25	25.4	36.27	30.58	32.32	30.18	34.93	37.78	48.96	35.62	36.84
Digua	1997	48.86	24.39	30.9	30.03	24.17	27.85	9.67	5.57	12.26	14.66	41.87	17.57

Digua	1998	9.6	19.9	14.79	27.03	25.74	22.4	15.2	21.5	30.2	29.21	57.57	33.8
Digua	1999	37.68	48.86	23.49	31.1	24.27	23.23	22.32	30.3	35.38	35.7	45.88	47.75
Digua	2000	28.56	19.86	25.66	27.02	26.42	32.5	39.07	27.08	29.98	31.16	31.16	28.25
Digua	2001	18.67	17.93	21.08	12.8	28.01	25.16	24.2	13.59	24.81	43.24	44.04	44.64
Digua	2002	23.77	14.37	23.01	42.19	33.22	19.38	26.24	22.95	33.2	44.38	38.34	38.52
Digua	2003	23.16	21.33	21.19	38.66	30.53	34.55	23.83	27.88	26.87	51.22	30.23	35.04
Digua	2004	31.88	12.18	9.58	19.78	39.47	27.64	24.78	16.99	27.84	35.48	47.08	36.87
Digua	2005	33.52	29.03	23.2	23.74	36.64	28.1	15.93	20.26	43.11	40.81	34.26	17.95
Digua	2006	18.73	14.06	19.02	43.88	49.36	38.39	20.9	15.07	14.22	27.89	37.64	40.87
Digua	2007	33.27	16.24	18.09	34.42	32.35	26.75	24.93	23.68	27.69	57.61	47.99	63.14
Digua	2008	43.17	36.64	23.23	27.57	38.78	23.76	18.79	22.25	24.13	28.71	31.76	30.96
Digua	2009	26.73	21.7	35.92	32.24	27.4	38.55	12.79	12.91	15.92	30.31	33.66	17.95
Digua	2010	8.62	8.77	8.18	15.52	16.35	17.92	27.73	11.39	19.52	39.93	57.9	36.31
Prado	1955	41.2	68.1	74.6	73.4	36	47.1	39.3	22.4	23.6	87.6	76.1	114.6
Prado	1956	62.5	77	56.3	72.7	55.9	57.4	24.3	9.4	40.3	107.1	79.4	89.9
Prado	1957	25.7	37.5	62.2	70	83.6	41.8	10.4	15	14.7	77.6	87.3	32.6
Prado	1958	15.9	19.7	30.1	44.9	40.7	14.4	17.5	9.6	7.2	37.8	55.4	72.4
Prado	1959	49.1	53.3	18.1	32.4	63.7	43	22.8	19.9	10.8	64	97.2	62.5
Prado	1960	69.2	68.5	40	48.2	57.2	37.2	30.7	15.6	14.5	71.5	95.6	135
Prado	1961	31.4	33.4	30.9	104	33.6	38.7	24.1	8.2	9	32.4	80.6	30
Prado	1962	25	24.6	55.7	54.3	88.7	66.2	18.3	17.4	7.8	70.7	97.4	47.6
Prado	1963	37.7	72	41.8	100	115	28.1	17.9	13.3	7.1	43.6	130	36.1
Prado	1964	14.4	14.6	7.4	51.7	37.7	57.3	32	21.9	17	24.8	49.2	38.4
Prado	1965	22	5.9	13.5	104	58.5	15.4	4.7	3	8.6	41.4	216	102.5
Prado	1966	34.6	14.2	43	44.4	51.7	47.4	22.8	16.9	11.6	71.6	156	116.4
Prado	1967	34.1	44.9	54.8	80.6	74.8	45.9	23.9	13.5	10.6	48.4	100	52
Prado	1968	40.1	64.9	50.1	151	77.4	61.3	26.8	11.6	20.8	146.1	111.3	51.6
Prado	1969	23.8	23.5	18.7	87.4	92.1	37	12.4	10.9	19	142.7	107.7	53.8
Prado	1970	23.2	34.6	19.4	41	77.1	26.9	16.9	12.1	20	70.6	126	79.6
Prado	1971	123.5	81	134	127	138.7	32	17.8	29.3	25.6	52.4	64	47.3
Prado	1972	101.8	30.7	82.8	53	75.8	50.2	87.1	44.5	45.1	34.3	78	51.9
Prado	1973	17.2	17.8	22	22.3	34.2	36.2	31.5	33.6	33.2	31.3	94.2	137.7
Prado	1974	59	216.7	116.7	101	102	63.4	85.4	67.8	62.6	56.3	54.7	49.4
Prado	1975	57.3	66.8	66.2	66.9	71.7	59.1	61.7	70.5	72.4	69.1	63.9	116.1
Prado	1976	78.6	79.1	76.6	81.3	120.6	75.9	82.5	54.9	22.4	18.7	34.5	27.9
Prado	1977	39.3	27.4	27.7	54.5	41.4	29	20.4	12.2	15.1	36.3	62.3	42.7
Prado	1978	36.1	34.9	45	76.9	51.5	64.9	43.8	43.1	45	52.1	38.3	26.9
Prado	1979	47.5	58	59.4	82.8	36.1	39.3	45.4	45.7	49.3	52	90.5	83.9
Prado	1980	52.4	62.5	80.3	50.2	45.2	37.1	25.4	17	20.1	27.7	37.5	43.2
Prado	1981	37	37.5	55.8	49.2	56.9	103	70.5	46.3	45.2	50.3	45.8	46
Prado	1982	84.3	94	94	139	119.9	97.6	64.9	44.2	36.8	24.9	60.4	50.4
Prado	1983	80.9	60.3	49.9	49.6	65.9	51.4	38.7	31	19.1	19.6	21.8	27.6
Prado	1984	57.2	64.9	68.6	74.9	47.6	52.8	47.1	58.3	54.5	50.9	82.4	58.6
Prado	1985	68.6	53.8	44.8	33.6	40.6	42.3	30.9	334.9	51.2	69.6	61	60
Prado	1986	54	61.1	89.7	117.3	94.3	74	61.4	52.7	33.5	59	73.4	57.4
Prado	1987	45.4	52.3	52.8	41.2	51	33.6	25.4	26.4	19.5	19.7	28	68.2
Prado	1988	80.61	54.48	53.84	41.23	38.03	38.73	40.26	43.9	46.37	43.71	66.48	169.28
Prado	1989	57.35	96.71	161.11	76.92	66.81	56.75	56.3	54.99	41.09	60.69	54.37	61.11
Prado	1990	57.31	58.11	65.32	70.13	78.76	57.63	51.66	36.81	19.89	24.79	41.14	63.68
Prado	1991	43.25	41.93	56.64	85.09	65.37	47.12	31.53	23.76	22.16	36.74	37.33	60.85
Prado	1992	45.2	41	5	28.5	43	14.7	7.8	7.1	8.7	9.3	77.5	86.3
Prado	1993	37.42	66.28	65.82	78.47	94.31	25.56	11	7.57	17.75	27.15	115.97	72.5
Prado	1994	55.45	49.1	79.74	103.2	80.24	37.96	13.22	9.29	18.51	90.45	123.8	37.3
Prado	1995	10.45	20.23	61.65	93.96	71.7	37.34	22.86	40.38	12.65	79.98	89.99	53.44
Prado	1996	62.05	61.41	102.06	65.65	97.93	60.61	26.85	78.1	20.68	69.11	59.8	53.67
Prado	1997	88.63	54.5	45.41	45.25	29.61	31.47	12.31	4.86	10.47	16.39	33.9	16.03
Prado	1998	6.98	13.65	22.66	74.27	65.45	30.13	22.6	16.76	21.53	48.71	112.36	101.42
Prado	1999	76.01	120.05	80.19	88.43	60.22	53.87	30.9	10.34	29.55	89.01	108.59	99.56
Prado	2000	48.1	70.66	95.99	62.64	64.04	47.55	25.22	15.64	27.89	42.37	68.44	29.52
Prado	2001	14.84	22.23	69.19	22.31	41.75	30.62	9.9	7.05	13.3	25.54	76.82	105.27
Prado	2002	18.35	17.65	37.66	109.62	65.77	53.16	15.29	8.68	14.92	47.26	53.73	49.04
Prado	2003	14.41	24.88	43.61	83.6	29.77	41.77	12.24	9.78	10.98	73.56	92.39	83.9
Prado	2004	43.71	25.76	12.8	67.14	54.39	19.84	16.85	8.18	14.72	71.08	132.22	80.86
Prado	2005	33.91	58.93	50.61	38.71	73.03	21.87	11.68	10.13	13.86	114.91	118.16	83.93
Prado	2006	56.83	47.2	102.78	119.51	74.56	51.41	17.22	12.75	10.01	73.93	99.38	81.3
Prado	2007	29.06	15.94	31.69	87.37	75.48	37.46	14.83	16.96	13.21	96.71	82.37	94.22
Prado	2008	59.86	89.54	99.85	80.27	118.48	54.86	39.67	38.3	33.59	66.1	230.87	101.52
Prado	2009	53.91	58.85	114.5	106.41	70.89	28.26	16.82	14.84	10.05	34.99	68.3	27.71

Prado	2010	8.85	10.54	11.12	82.87	87.93	53.52	68.14	22.88	32.06	64.06	201.42	124.87
Salvajina	1946										52	121	144
Salvajina	1947	129	106	75	61	72	95	94	78	74	212	255	139
Salvajina	1948	95	77	144	201	135	117	72	60	39	93	135	123
Salvajina	1949	149	151	120	127	160	121	98	79	64	122	288	256
Salvajina	1950	197	379	373	317	375	294	202	129	80	127	269	336
Salvajina	1951	224	208	184	135	170	125	119	73	65	90	202	197
Salvajina	1952	161	159	125	125	173	116	92	72	50	62	147	241
Salvajina	1953	151	125	100	127	128	107	82	59	54	160	284	332
Salvajina	1954	154	143	125	219	144	124	135	119	52	164	257	344
Salvajina	1955	234	123	210	214	193	165	147	93	84	181	259	340
Salvajina	1956	311	206	172	122	148	200	118	98	89	168	187	238
Salvajina	1957	184	96	131	136	196	165	90	64	46	65	104	182
Salvajina	1958	112	85	68	94	109	91	75	71	42	56	133	161
Salvajina	1959	139	84	63	78	120	128	108	59	52	88	129	177
Salvajina	1960	241	193	121	130	120	87	88	65	52	80	173	230
Salvajina	1961	111	91	78	142	89	119	101	72	42	62	206	149
Salvajina	1962	118	130	146	109	147	162	88	74	53	94	162	267
Salvajina	1963	121	218	152	228	209	132	94	82	49	60	213	153
Salvajina	1964	130	92	70	142	141	188	117	98	88	121	190	226
Salvajina	1965	163	106	78	126	142	74	77	55	45	95	208	240
Salvajina	1966	127	77	81	89	130	108	103	76	59	113	274	606
Salvajina	1967	195	199	188	132	137	160	121	92	50	77	246	164
Salvajina	1968	116	156	135	177	125	133	137	74	68	149	203	159
Salvajina	1969	126	141	88	207	180	127	92	62	47	161	194	175
Salvajina	1970	111	178	198	105	146	135	79	80	73	165	366	258
Salvajina	1971	310	235	229	238	212	137	123	83	86	137	216	180
Salvajina	1972	220	188	144	145	146	138	115	58	59	68	146	157
Salvajina	1973	71	50	53	81	104	111	107	122	150	197	288	287
Salvajina	1974	252	284	245	146	147	109	114	74	75	159	288	211
Salvajina	1975	126	188	188	131	185	145	141	109	110	156	307	398
Salvajina	1976	190	177	191	202	165	124	132	74	58	81	126	123
Salvajina	1977	75	59	52	82	116	100	74	57	80	158	208	126
Salvajina	1978	147	63	62	141	139	104	74	61	50	76	124	240
Salvajina	1979	136	84	145	142	148	161	83	63	91	129	207	146
Salvajina	1980	134	177	128	103	105	103	71	49	49	100	143	205
Salvajina	1981	124	116	154	216	242	149	122	63	55	66	207	195
Salvajina	1982	241	185	235	234	229	129	114	73	64	112	173	194
Salvajina	1983	122	114	117	232	176	116	71	74	46	74	119	201
Salvajina	1984	237	195	152	173	213	174	119	82	100	211	279	264
Salvajina	1985	259	124	88	131	163	129	102	83	78	133	206	180
Salvajina	1986	169	202	198	161	144	147	126	59	58	160	187	140
Salvajina	1987	93	63	60	84	130	82	74	69	46	115	142	124
Salvajina	1988	72	73	71	106	101	121	168	73	94	113	354	324
Salvajina	1989	249	223	223	128	172	122	107	58	64	96	128	148
Salvajina	1990	196	150	132	167	185	105	88	76	49	84	123	152
Salvajina	1991	147	80	125	144	126	97	114	97	69	67	150	176
Salvajina	1992	121	104	69	82	74	67	92	63	40	42	103	175
Salvajina	1993	160	127	139	165	166	109	86	61	52	62	180	239
Salvajina	1994	211	157	153	186	149	117	95	85	56	97	180	192
Salvajina	1995	112	77	89	146	148	107	94	83	59	134	164	196
Salvajina	1996	186	205	206	164	144	127	145	73	51	125	148	187
Salvajina	1997	319	201	137	136	125	125	141	58	42	55	114	88
Salvajina	1998	44	61	55	113	129	134	89	60	49	95	269	210
Salvajina	1999	273	307	234	252	160	119	97	71	98	137	291	389
Salvajina	2000	329	261	261	211	198	157	112	108	92	86	165	136
Salvajina	2001	99.36	80.64	123.5	85.28	92.5	102.51	68.33	65.78	54.9	62.03	126.26	230.12
Salvajina	2002	130.13	67.16	80.04	161.35	117.24	115.18	75.91	62.38	38.16	59.84	92.9	124.18
Salvajina	2003	67.74	58.08	81.26	131.65	113.7	116.08	92.17	49.1	45.02	100.1	153.85	156.14
Salvajina	2004	168.21	86.29	73.38	124.06	111.26	93.24	67.69	60.88	41.46	98.6	233.73	202.98
Salvajina	2005	155.31	186.31	182.09	124.31	129.83	85.7	66.49	58.33	50.14	116.09	212.19	243.09
Salvajina	2006	191.61	163.76	191.98	204.39	182.18	149.21	89.8	58.23	47.96	64.23	144.82	210.59
Salvajina	2007	121.95	77.85	118	202.75	200.52	168.92	75.37	70.15	50.82	141.13	227.48	317
Salvajina	2008	208.74	234.64	210.87	194.76	215.05	161.19	143.33	98.65	100.04	123.93	294.64	270.67
Salvajina	2009	213.67	176.52	190.25	177.24	108.96	85.27	72.87	55.15	32.79	43.47	94.4	139.17
Salvajina	2010	69.29	64.17	43.54	125.5	139.86	114.06	124.06	81.67	56.29	116.71	349.25	270.35

Formato 5. Embalses

NOMBRE	MIN_TECNICO (Mm3)	MAX_TECNICO (Mm3)
Alto Anchicaya	6.31	34.92
Calima	98.97	516.33
Prado	325.08	760.12
Salvajina	92.27	789.16

Formato 6

No reportó información.

Formato 7. Curvas de Operación Embalses

EMBASE	MES	VOLUMEN_ESPERA (Mn3/s)	CURVA_GUIA_MIN (Mn3/s)	CURVA_GUIA_MAX (Mn3/s)
Salvajina	1		182.04	585.39
Salvajina	2		182.04	585.39
Salvajina	3		182.04	684.41
Salvajina	4		182.04	733.14
Salvajina	5		200.14	757.19
Salvajina	6		222.9	781.2
Salvajina	7		245.77	781.2
Salvajina	8		222.9	733.14
Salvajina	9		200.14	560.28
Salvajina	10		182.04	386.64
Salvajina	11		182.04	436.07
Salvajina	12		182.04	585.39
Alto Anchicaya	1			
Alto Anchicaya	2			
Alto Anchicaya	3			
Alto Anchicaya	4			
Alto Anchicaya	5			
Alto Anchicaya	6			
Alto Anchicaya	7			
Alto Anchicaya	8			
Alto Anchicaya	9			
Alto Anchicaya	10			
Alto Anchicaya	11			
Alto Anchicaya	12			
Calima	1			
Calima	2			
Calima	3			
Calima	4			
Calima	5			
Calima	6			
Calima	7			
Calima	8			
Calima	9			
Calima	10			
Calima	11			
Calima	12			
Prado	1		325.08	
Prado	2		325.08	
Prado	3		325.08	
Prado	4		325.08	
Prado	5		325.08	
Prado	6		325.08	
Prado	7		325.08	
Prado	8		325.08	
Prado	9		325.08	
Prado	10		325.08	
Prado	11		325.08	
Prado	12		325.08	

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10. Capacidad Máxima Arco Generación

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)
Alto Anchicaya	0	99.95
Bajo Anchicaya	0	105.65
Calima	0	68.85
Prado	0	92.37
Salvajina	0	279.96

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13. Demanda Acueducto y Riego

NOMBRE	AÑO_I (m3/s)	AÑO_T1 (m3/s)	AÑO_T2 (m3/s)	AÑO_T3 (m3/s)	AÑO_T4 (m3/s)	AÑO_T5 (m3/s)	FACTOR_RECUPERACION
PRADO	8.41	8.41	8.41	8.41	8.41	8.41	0

Formato 14. Suministro Gas Natural

PLANTA	CAMPO	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
Termovalle Gas - GNI	Pendiente	8784	1013678	1013678	948280	1013678	980979	1013678	980979	1013678	1013678	980979	1013678	980979

Formato 15. Transporte Gas Natural

PLANTA	PUNTO_ENTRADA	PUNTO_SALIDA	TRANSPORTE_DIC (MBTU)	TRANSPORTE_ENE (MBTU)	TRANSPORTE_FEB (MBTU)	TRANSPORTE_MAR (MBTU)	TRANSPORTE_ABR (MBTU)	TRANSPORTE_MAY (MBTU)	TRANSPORTE_JUN (MBTU)	TRANSPORTE_JUL (MBTU)	TRANSPORTE_AGO (MBTU)	TRANSPORTE_SEP (MBTU)	TRANSPORTE_OCT (MBTU)	TRANSPORTE_NOV (MBTU)
Termovalle Gas - GNI	PUNTO DE IMPORTACION	PLANTA	1013678	1013678	948280	1013678	980979	1013678	980979	1013678	1013678	980979	1013678	980979

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPER	ENERGIA_DIC	ENERGIA_ENE	ENERGIA_FEB	ENERGIA_MAR	ENERGIA_ABR	ENERGIA_MAY	ENERGIA_JUN	ENERGIA_JUL	ENERGIA_AGO	ENERGIA_SEP	ENERGIA_OCT	ENERGIA_NOV
--------	-------------	------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

		ACION	(MBTU)	(MBTU)	(MBTU)	(MBTU)	(MBTU)	(MBTU)	(MBTU)	(MBTU)	(MBTU)	(MBTU)	(MBTU)	(MBTU)
Termovalle	Diesel	8784	980234	980234	916993	980234	948613	980234	948613	980234	980234	948613	980234	948613

Formato 17. Almacenamiento Combustible

PLANTA	COMBUSTIBLE	CAP_ALMACENAMIENTO	CANT_ALMACENADA (MBTU)
Termovalle	Diesel	1400000	0

Formato 18

No reportó información.

Formato 19. Plantas Menores

NOMBRE	CAP_EFECTIVA_NETA (MW)	DISPONIBILIDAD (%)
Nima	6.7	0
Rio Cali	1.8	25.1
Amalme	19.17	0
Prado4	5	0
Central Castilla	0	0
Rio Paila	0	0
Central Tumaco	0	0
Mayaguez	19.9	0
Pichichi	0	0
Carmelita	0	0
San Carlos	2	0

Formato 1

No reportó información.

Formato 2

No reportó información.

Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
TERMOMERIELECTRICA - GAS NATURAL IMPORTADO	167	9.601	7.7331
TERMOMERIELECTRICA - DIESEL	157	10.25	7.7331

Formato 4

No reportó información.

Formato 5

No reportó información.

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10

No reportó información.

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14. Suministro Gas Natural

PLANTA	CAMPO	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
TERMOMERILECTRICA - GAS NATURAL IMPORTADO	IMPORTACION	8784	1195134	1195134	1118028	1195134	1156581	1195134	1156581	1195134	1195134	1156581	1195134	1156581

Formato 15. Transporte Gas Natural

PLANTA	PUNTO_ENTRADA	PUNTO_SALIDA	TRANSPORTE_DIC (MBTU)	TRANSPORTE_ENE (MBTU)	TRANSPORTE_FEB (MBTU)	TRANSPORTE_MAR (MBTU)	TRANSPORTE_ABR (MBTU)	TRANSPORTE_MAY (MBTU)	TRANSPORTE_JUN (MBTU)	TRANSPORTE_JUL (MBTU)	TRANSPORTE_AGO (MBTU)	TRANSPORTE_SEP (MBTU)	TRANSPORTE_OCT (MBTU)	TRANSPORTE_NOV (MBTU)
TERMOMERILECTRICA - GAS NATURAL IMPORTADO	TERMINAL IMPORTACION	BARRANCABERMEJA	1195134	1195134	1118028	1195134	1156581	1195134	1156581	1195134	1195134	1156581	1195134	1156581

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
TERMOMERILECTRICA - DIESEL	DIESEL	8784	1197282	1197282	1120038	1197282	1158660	1197282	1158660	1197282	1197282	1158660	1197282	1158660

Formato 17. Almacenamiento Combustible

PLANTA	COMBUSTIBLE	CAP_ALMACENAMIENTO	CANT_ALMACENADA (MBTU)
TERMOMERILECTRICA - DIESEL	DIESEL	0	0

Formato 18

No reportó información.

Formato 19

No reportó información.

Formato 1

No reportó información.

Formato 2

No reportó información.

Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
FLORES I - GAS NATURAL IMPORTADO	160	7.3751	3.705
FLORES IV - GAS NATURAL IMPORTADO	450	6.8456	5.0001
FLORES I - DIESEL	152	7.7126	3.705
FLORES IV - DIESEL	443	6.99	5.0001

Formato 4

No reportó información.

Formato 5

No reportó información.

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10

No reportó información.

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14. Suministro Gas Natural

PLANTA	CAMPO	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
FLORES I - GAS NATURAL IMPORTADO	IMPORTACION	8784	877938	877938	821296	877938	849618	877938	849618	877938	877938	849618	877938	849618
FLORES IV - GAS NATURAL IMPORTADO	IMPORTACION	8784	2291918	2291918	2144052	2291918	2217986	2291918	2217986	2291918	2291918	2217986	2291918	2217986

Formato 15. Transporte Gas Natural

PLANTA	PUNTO_ENTRADA	PUNTO_SALIDA	TRANSPORTE_DIC (MBTU)	TRANSPORTE_ENE (MBTU)	TRANSPORTE_FEB (MBTU)	TRANSPORTE_MAR (MBTU)	TRANSPORTE_ABR (MBTU)	TRANSPORTE_MAY (MBTU)	TRANSPORTE_JUN (MBTU)	TRANSPORTE_JUL (MBTU)	TRANSPORTE_AGO (MBTU)	TRANSPORTE_SEP (MBTU)	TRANSPORTE_OCT (MBTU)	TRANSPORTE_NOV (MBTU)
FLORES I - GAS NATURAL IMPORTADO	ESTACION IMPORTACION	ESTACION TERMOFLORES	877938	877938	821296	877938	849618	877938	849618	877938	877938	849618	877938	849618
FLORES IV - GAS NATURAL IMPORTADO	ESTACION IMPORTACION	ESTACION TERMOFLORES	2291918	2291918	2144052	2291918	2217986	2291918	2217986	2291918	2291918	2217986	2291918	2217986

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
FLORES I - DIESEL	DIESEL	8784	872204	872204	815932	872204	844068	872204	844068	872204	872204	844068	872204	844068
FLORES IV - DIESEL	DIESEL	8784	2303850	2303850	2155214	2303850	2229532	2303850	2229532	2303850	2303850	2229532	2303850	2229532

Formato 17. Almacenamiento Combustible

PLANTA	COMBUSTIBLE	CAP_ALMACENAMIENTO	CANT_ALMACENADA (MBTU)
FLORES I - DIESEL	DIESEL	13806	0
FLORES IV - DIESEL	DIESEL	38830	0

Formato 18

No reportó información.

Formato 19

No reportó información.

Formato 1. Plantas o Unidades Hidráulicas

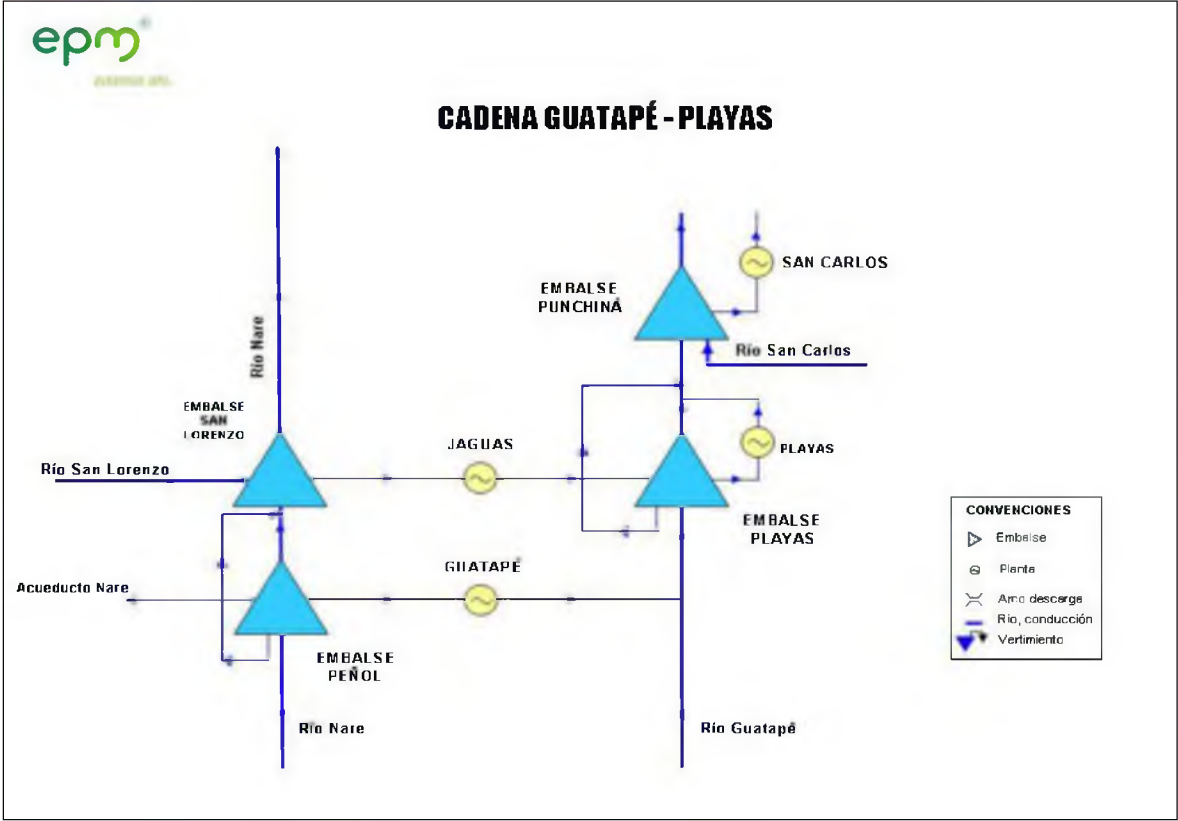
NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MW/(m3/s))	IHF (%)
GUATAPE	560	7.7101	3.2394
PLAYAS	201	1.588	3.5762
TRONERAS	40	0.7242	1.6439
GUADALUPE3	270	5.1553	3.5009
GUADALUPE4	202	4.1852	11.8857
LATASAJERA	306	7.7324	5.3217
PORCE2	405	1.9876	4.2376

Formato 2. Topología Plantas Hidráulicas

NOMBRE_SISTEMA	ELEMENTO_CLASE	ELEMENTO_NOMBRE	APORTES_RIO	APORTES_EMBALSE	APORTES_PLANTA	APORTES_OTRO	DESCARGA_RIO	DESCARGA_EMBALSE	DESCARGA_PLANTA	DESCARGA_OTRO	VERTIMIENTO_S_RIO	VERTIMIENTO_S_EMBASLE	VERTIMIENTO_S_PLANTA	VERTIMIENTO_S_OTRO
Guatron	E	Miraflores	TENCHE							Miraflores-Tenche				Tenche-Troneras
Guatron	AD	Miraflores-Tenche		MIRAFLORES						Tenche-Troneras				
Guatron	AD	Tenche-Troneras	CONCEPCION			Dolores-Concepcion+Miraflores-Tenche+VertimientoEmbalseMiraflores		Troneras						Tierra
Guatron	AD	Nechi-Pajarito	NECHI							Pajarito-Dolores				Tierra
Guatron	AD	Pajarito-Dolores	PAJARITO			Nechi-Pajarito				Dolores-Concepcion				Tierra
Guatron	AD	Dolores-Concepcion	DOLORES			Pajarito-Dolores				Tenche-Troneras				Tierra
Guatron	E	Troneras	GUADALUPE			Tenche-Troneras			TRONERAS	Troneras-Guadalupe			GUADALUPE3	
Guatron	P	Troneras		TRONERAS					GUADALUPE3					
Guatron	AD	Troneras-Guadalupe		TRONERAS					GUADALUPE3					
Guatron	P	Guadalupe3	CANASGORDAS		TRONERAS	Troneras-Guadalupe+VertimientoEmbalseTroneras			GUADALUPE4			Tierra		
Guatron	P	Guadalupe4			GUADALUPE3			Tierra				Tierra		
Guatape	E	Penol	NARE						GUATAPE	Acueducto Nare		San Lorenzo		
Guatape	P	Guatape		PENOL				Playas						
Guatape	E	Playas	GUATAPE		GUATAPE+JAGUAS				PLAYAS			Punchina		
Guatape	P	Playas		PLAYAS				Punchina						
Guatape	F	Acueducto NARE		PENOL										
Porce	F	Acueducto GRANDE		RIOGRANDE2				Porce2						
Porce	E	Riogrande2	GRANDE						LATASAJERA	Valvula Riogrande2+Acueducto Grande				Canal Quebradona
Porce	P	Latasajera		RIOGRANDE2				Porce2						
Porce	AD	Valvula Riogrande2		RIOGRANDE2						Canal Quebradona				
Porce	AD	Canal Quebradona				Válvula Riogrande2+VertimientoEmbalseRiogrande2		Quebradona				Porce2		
Porce	E	Quebradona	QUEBRADONA			Canal			RIOGRANDE1			Porce2		

						Quebradona								
Porce	P	Riogrande1		QUEBRADONA				Porce2						
Porce	E	Porce2	PORCE2		LATASAJERA+RIOGRANDE1	Acueducto Nare+AcueductoGrande+VertimientoCanalQuebradona+VertimientoEmbalseQuebradona			PORCE2				Tierra	
Porce	P	Porce2		PORCE2				Tierra						

Formato 2A. Topología Plantas Hidráulicas



CANASGORDAS	1948	0.78	0.54	0.56	1.04	1.14	1.36	0.9	1.04	1.1	1.09	1.01	0.77
CANASGORDAS	1949	0.55	0.45	0.57	0.74	1.18	1.25	1.47	1.54	1.26	1.23	1.08	0.92
CANASGORDAS	1950	0.74	0.73	0.7	0.62	1.16	1.63	1.49	1.94	1.28	1.44	1.34	1.2
CANASGORDAS	1951	0.86	1.09	0.8	1.23	1.25	1.28	1.44	1.32	1.67	1.13	1.02	0.9
CANASGORDAS	1952	0.59	0.51	0.43	0.7	1.07	1.14	1.45	1.64	1.51	1.42	1.22	0.95
CANASGORDAS	1953	0.81	0.64	0.63	0.88	1.43	1.15	1.04	0.7	0.87	0.8	0.96	0.69
CANASGORDAS	1954	0.69	0.55	0.57	1.23	1.4	1.58	1.71	1.31	1.48	1.9	1.4	0.94
CANASGORDAS	1955	0.82	0.69	0.88	1.13	1.46	1.34	1.52	1.43	1.45	1.85	1.5	0.93
CANASGORDAS	1956	0.78	0.79	0.84	1.11	1.86	2.11	1.32	1.75	1.47	1.66	1.57	1.03
CANASGORDAS	1957	0.69	0.82	0.59	0.76	1.13	1.17	1.17	1.28	1.2	1.3	1.04	0.81
CANASGORDAS	1958	0.54	0.46	0.52	0.49	1.02	0.67	0.6	1.09	0.67	0.85	0.65	0.66
CANASGORDAS	1959	0.46	0.37	0.47	0.63	0.93	1.2	1.52	1.19	1.63	1.72	1.6	1.01
CANASGORDAS	1960	0.74	0.61	0.49	0.86	1.08	1.32	1.3	1.3	1.55	1.45	1.26	0.91
CANASGORDAS	1961	0.57	0.48	0.49	0.69	0.82	1.16	1.11	0.94	1.31	1.09	1.43	0.84
CANASGORDAS	1962	0.63	0.55	0.59	0.73	1.48	1.45	1.37	1.41	1.59	1.21	1.16	0.69
CANASGORDAS	1963	0.54	0.58	0.71	1.09	1.21	1.03	1.9	1.35	1.22	1.25	1.24	0.6
CANASGORDAS	1964	0.5	0.48	0.52	0.99	0.85	0.87	1.53	1.16	1.46	1.31	1.08	0.74
CANASGORDAS	1965	0.57	0.48	0.53	0.7	1.15	0.92	0.85	1.04	1.44	1.24	1.1	0.72
CANASGORDAS	1966	0.71	0.51	0.56	0.75	0.64	1.12	0.83	0.98	1	1	0.9	0.85
CANASGORDAS	1967	0.6	0.55	0.51	1.02	1.55	1.71	1.55	1.08	1.23	0.96	0.7	0.55
CANASGORDAS	1968	0.46	0.4	0.58	0.7	0.95	1.22	1.28	1.21	1.44	1.24	1.11	0.71
CANASGORDAS	1969	0.56	0.53	0.49	0.81	0.88	0.71	0.54	1.32	1.43	1.66	1.24	0.99
CANASGORDAS	1970	1.04	0.84	0.93	1.19	1.51	1.41	1.3	1.23	1.75	2.03	1.63	1.26
CANASGORDAS	1971	1.24	1.19	1.36	1.13	1.55	1.6	1.86	2.25	1.71	1.73	1.22	0.81
CANASGORDAS	1972	0.84	0.64	0.65	1.05	1.74	1.56	1.19	1.49	1.49	1.16	0.99	0.81
CANASGORDAS	1973	0.53	0.45	0.53	0.54	1.09	1.23	1.07	1.1	1.55	1.26	1.41	1.02
CANASGORDAS	1974	0.67	0.6	0.62	0.79	1.44	1.09	1.18	1.44	1.75	1.65	1.45	0.78
CANASGORDAS	1975	0.59	0.52	0.65	0.72	1.17	1.74	1.86	1.87	1.85	2.07	1.64	1.26
CANASGORDAS	1976	0.82	0.64	0.75	1.22	1.5	1.24	0.98	1.26	1.17	1.35	1.01	0.61
CANASGORDAS	1977	0.49	0.48	0.43	0.49	0.78	1.24	1.48	1.46	1.16	1.25	1.04	0.73
CANASGORDAS	1978	0.62	0.57	0.57	1.09	1.1	1.51	1.26	0.94	1.17	1.24	0.99	0.91
CANASGORDAS	1979	0.58	0.5	0.48	0.77	0.9	1.18	0.62	0.83	1	1.46	1.39	0.83
CANASGORDAS	1980	0.61	0.52	0.47	0.47	0.87	1.16	1.24	1.21	0.96	1.36	1.36	0.82
CANASGORDAS	1981	0.56	0.53	0.52	0.76	1.77	1.64	1.74	1.05	1.14	1.24	1.06	0.73
CANASGORDAS	1982	0.6	0.68	0.65	1.06	1.46	1.03	1.1	1.13	1.15	1.56	0.95	0.72
CANASGORDAS	1983	0.44	0.42	0.52	0.83	1.41	1.09	1.63	1.29	1.53	1.28	0.89	0.91
CANASGORDAS	1984	0.66	0.7	0.45	0.56	0.88	1.41	1.18	1.07	1.6	1.68	1.55	0.94
CANASGORDAS	1985	0.65	0.51	0.67	0.61	0.98	0.75	0.82	1.46	1.55	1.18	0.88	0.72
CANASGORDAS	1986	0.59	0.59	0.58	0.88	0.9	1.15	0.81	0.89	0.83	1.31	0.79	0.58
CANASGORDAS	1987	0.42	0.37	0.38	0.62	0.88	0.72	0.6	1.05	1.56	1.31	0.98	0.76
CANASGORDAS	1988	0.51	0.51	0.44	0.55	0.81	0.74	0.85	1.32	1.31	1.35	1.34	0.87
CANASGORDAS	1989	0.81	0.7	0.73	0.75	0.89	1.42	1.08	1.44	1.56	1.71	1.06	0.89
CANASGORDAS	1990	0.62	0.66	0.64	0.79	1.17	1.24	1.17	0.8	1	1.56	1.19	0.8
CANASGORDAS	1991	0.89	0.77	0.88	0.95	1.41	1.26	1.51	1.06	0.87	1.13	1.02	0.86
CANASGORDAS	1992	0.67	0.61	0.6	0.66	0.93	0.82	0.96	1.27	1.48	1.16	0.99	0.73
CANASGORDAS	1993	0.64	0.54	0.58	0.4	0.51	0.84	1.25	1.49	1.88	1.93	1.35	1.33
CANASGORDAS	1994	0.77	0.77	0.7	1.21	1.58	1.68	1.12	2.4	1.68	1.07	1.62	0.95
CANASGORDAS	1995	0.6	0.51	0.55	0.8	1.08	1.27	1.72	1.57	1.32	1.26	0.78	1.24
CANASGORDAS	1996	0.78	0.84	0.92	1.14	1.91	1.36	1.63	1.5	1.57	1.48	1.34	0.93
CANASGORDAS	1997	0.56	0.8	0.63	1.15	0.78	1.41	0.49	0.47	0.86	0.57	0.52	0.35
CANASGORDAS	1998	0.29	0.31	0.33	0.66	0.77	1.35	1.75	1.19	1.76	1.16	1.02	1.12
CANASGORDAS	1999	0.77	0.93	0.95	1.4	1.57	1.62	1.55	1.5	1.59	1.6	1.21	0.89
CANASGORDAS	2000	0.62	0.65	0.59	0.68	1.21	1.47	1.77	1.65	1.68	1.28	0.98	0.93
CANASGORDAS	2001	0.67	0.55	0.63	0.82	1.56	1.62	1.41	1.04	1.38	1.16	1.4	1.23
CANASGORDAS	2002	0.68	0.56	0.55	0.86	1.11	1.3	0.69	0.68	0.82	0.71	0.66	0.64
CANASGORDAS	2003	0.41	0.47	0.48	0.92	1.57	1.43	0.95	1.08	1.08	1.23	1.08	0.93
CANASGORDAS	2004	0.63	0.52	0.55	0.71	1.1	0.99	1.45	0.96	1.29	1.1	1.24	0.77
CANASGORDAS	2005	0.59	0.48	0.47	0.9	0.96	1.1	0.79	0.74	0.95	1.03	1.35	0.7
CANASGORDAS	2006	0.54	0.52	0.64	0.98	1.46	1.38	0.82	0.97	1.39	1.21	1.42	0.97
CANASGORDAS	2007	0.71	0.49	0.51	1.14	1.82	1.5	1.3	1.83	1.46	1.77	1.3	0.85
CANASGORDAS	2008	0.64	0.69	0.59	0.58	0.84	1.53	2.01	1.32	1.55	1.67	1.43	0.83
CANASGORDAS	2009	0.73	0.82	0.85	0.99	1.08	1.53	1.12	1.15	0.88	0.9	1	0.6
CANASGORDAS	2010	0.45	0.4	0.48	0.69	1.23	1.56	1.51	1.57	1.94	1.38	1.46	1.05
CONCEPCION	1955	6.1	4.73	5.15	6.65	8.78	9.65	10.7	9.54	10.49	13.3	10.42	7.9
CONCEPCION	1956	7.25	6.86	6.11	7.24	10.06	12.13	8.54	11.01	9.46	11.17	10.98	6.7
CONCEPCION	1957	5.17	4.81	3.77	5.49	7.53	6.54	6.09	6.7	7.01	8.5	6.99	5.57
CONCEPCION	1958	3.93	3.17	3.52	3.21	5.78	4.08	3.8	6.1	3.96	4.66	3.79	3.79
CONCEPCION	1959	2.57	2.25	2.47	3.13	4.8	6.01	7	6.12	8.21	8.25	8.44	5.46

CONCEPCION	1960	4.53	3.94	3.39	5.22	5.94	7.37	7.64	7.68	8.79	7.71	6.97	7.54
CONCEPCION	1961	4.4	3.92	3.67	5.7	5.15	7.85	8.01	6.49	8.68	7.45	9.47	5.93
CONCEPCION	1962	4.66	3.97	4.23	4.44	8.58	7.88	7.96	9.04	8.68	8.32	8.94	5.55
CONCEPCION	1963	4.63	4.87	5.07	7.25	8.33	7.76	11.1	8.19	8.09	9.03	8.61	5.85
CONCEPCION	1964	4.36	4.16	4.17	5.88	6.2	7.9	9.13	8.77	8.95	8.08	7.75	5.79
CONCEPCION	1965	4.82	4.04	3.87	5.25	6.98	5.99	5.9	7.43	9.37	7.89	7.82	5.35
CONCEPCION	1966	4.95	3.71	3.95	4.74	5.82	8.73	7.14	8.85	9.19	8.67	8.53	7.23
CONCEPCION	1967	5.23	4.35	3.87	6.85	9.58	13.67	13.72	9.34	8.07	7.62	6.5	4.78
CONCEPCION	1968	4.28	3.72	3.88	4.85	6.39	9.23	8.34	9.65	9.77	9.1	7.96	5.85
CONCEPCION	1969	4.43	3.7	3.22	7.01	7.48	5.24	4.5	10.38	9.44	10.93	12.43	6.26
CONCEPCION	1970	5.45	4.33	4.15	6.09	9.48	8.1	7.72	7.66	11.7	13.62	11.88	8.8
CONCEPCION	1971	8.47	8.18	8.73	7.73	12.15	10.7	13.57	16.43	11.67	11.41	9.09	5.82
CONCEPCION	1972	5.97	4.95	4.63	7.04	11.4	9.96	8.04	8.93	8.17	9.92	6.7	5.86
CONCEPCION	1973	4.29	3.75	3.59	4.45	6.28	6.21	6.66	7.07	8.95	8.23	9.34	7.4
CONCEPCION	1974	5.92	5.2	4.94	6.05	7.88	6.68	7.94	9.04	10.63	10.45	10.04	6.55
CONCEPCION	1975	5.26	4.92	5.56	5.59	7.66	10.35	11.09	13.41	13.59	13.58	12.98	10.71
CONCEPCION	1976	6.47	5.71	5.84	8.16	10.02	9.29	6.62	9.37	6.7	10.39	8.07	4.76
CONCEPCION	1977	3.71	3.51	3.11	3.86	5.35	8.77	8.16	9.34	7.81	7.26	6.34	5.27
CONCEPCION	1978	3.78	3.43	3.67	8.19	6.09	9.17	8.57	6.87	7.54	8.23	8.03	6.86
CONCEPCION	1979	4.32	4.11	3.71	5.27	6.95	10.27	5.15	6.14	7.05	10.87	11.41	7.04
CONCEPCION	1980	5.03	4.75	4.27	4.83	6.29	9.08	8.39	7.43	6.22	9.29	9.04	5.72
CONCEPCION	1981	4.2	4.27	4.24	5.81	12.76	10.98	10.69	7.53	9.24	9.69	8.34	5.56
CONCEPCION	1982	4.57	5.59	5.72	10.13	12.32	8.48	9.33	7.88	7.32	9.97	8.12	7.01
CONCEPCION	1983	3.87	4.14	3.91	8.02	11.93	7.65	13.6	9.02	12.69	10.24	8.51	8.3
CONCEPCION	1984	5.27	5.14	3.37	4.7	8.95	13.3	9.46	12	17.82	14.26	14.53	8.9
CONCEPCION	1985	5.47	4.68	5.96	6.31	10.7	8.01	9.71	12.94	13.88	10.91	8.39	8.26
CONCEPCION	1986	5.96	5.34	5	9.22	7.08	9.72	7.4	6.75	6.21	12.06	6.91	5.95
CONCEPCION	1987	2.15	2.12	1.33	5.36	10.03	8.21	13.41	7.23	12.6	13.44	7.71	6.12
CONCEPCION	1988	4.36	5.5	4.15	3.84	5.12	7.96	9.64	16.95	10.03	4.84	7.95	3.49
CONCEPCION	1989	2.21	1.75	5.83	5.19	8.56	10.84	10.47	12.66	10.85	11.72	7.17	6.46
CONCEPCION	1990	4.24	4.53	3.81	5.08	9.08	8.5	8.5	5.97	5.51	11.29	10.28	6.51
CONCEPCION	1991	5.51	5.24	5.77	5.78	17.37	14.16	16.05	6.49	5.11	6.4	7.47	5.29
CONCEPCION	1992	2.19	2.28	4.11	2.94	4.78	3.48	4.34	6.4	8.94	6.02	4.89	5.03
CONCEPCION	1993	4.71	3.71	5.04	5.36	7.91	5.92	7.34	8.28	11	7.64	7.93	7.58
CONCEPCION	1994	8.65	7.15	5.07	9.19	10.01	13.15	10.17	17.5	12.33	12.85	12.3	8.35
CONCEPCION	1995	5.91	4.23	3.94	5.6	7.95	11.18	14.53	12.11	12.58	11.78	9.94	11.78
CONCEPCION	1996	6	7.09	8.57	9.06	15.35	11.81	15.78	14.06	12.22	13.94	13.02	8.48
CONCEPCION	1997	6.47	6.78	6.63	8.32	6.8	8.15	5.23	4.94	8.5	4.58	5.58	3.33
CONCEPCION	1998	2.82	3.36	4.02	5.83	6.84	8.35	13.91	10.77	12.46	9.37	9.09	8.76
CONCEPCION	1999	5.41	7.41	7.76	11.13	14.12	14.44	12.49	9.84	11.93	13.84	11.8	8.43
CONCEPCION	2000	5.68	6.23	4.63	4.78	9	10.23	15.54	12.96	16.93	13.61	9.95	8.76
CONCEPCION	2001	6.8	6.38	6.5	6.49	10.94	12.72	12.81	7.94	10.53	9.06	10.85	9.81
CONCEPCION	2002	5.88	4.91	4.18	4.56	5.56	7.45	4.94	3.94	4.07	4.18	4.18	4.21
CONCEPCION	2003	2.94	3.22	3.42	4.69	6.24	7.51	6.07	5.84	5.95	9.54	7.79	6.53
CONCEPCION	2004	4.66	4.15	5.57	6.89	9.58	8.16	10.79	8.7	10.15	9.4	12.51	7.85
CONCEPCION	2005	7.46	7.02	7.24	8.19	9.06	10.22	8.41	8.27	8.3	9.95	12.3	7.36
CONCEPCION	2006	5.71	6.03	6.46	5.96	14.04	11.57	8.76	9.41	12.22	11.36	13.44	9.64
CONCEPCION	2007	7.97	6.78	5.74	8.51	14.31	12.63	13.18	15.51	13.68	17.06	14.18	9.01
CONCEPCION	2008	7.66	7.41	7.42	7.52	8.17	11.11	15.01	10.21	12.62	16.54	14.06	6.64
CONCEPCION	2009	9.59	8.64	6.33	8.47	8.12	9.63	6.59	7.6	7.35	7.46	10.01	5.4
CONCEPCION	2010	4.07	4.49	4.41	5.48	8.86	10.5	13.55	12.5	16.19	14.23	13.57	9.7
DOLORES	1955	3.97	2.74	3.04	3.72	4.92	5.6	6.31	5.34	6.19	7.45	6.15	4.66
DOLORES	1956	4.71	3.98	3.6	4.05	5.63	7.04	5.04	6.17	5.58	6.26	6.48	3.95
DOLORES	1957	3.36	2.79	2.22	3.07	4.22	3.79	3.59	3.75	4.14	4.76	4.12	3.29
DOLORES	1958	2.55	1.84	2.08	1.8	3.24	2.37	2.24	3.42	2.34	2.61	2.24	2.24
DOLORES	1959	1.67	1.31	1.46	1.75	2.69	3.49	4.13	3.43	4.84	4.62	4.98	3.22
DOLORES	1960	2.94	2.29	2	2.92	3.33	4.27	4.51	4.3	5.19	4.32	4.11	4.45
DOLORES	1961	2.86	2.27	2.17	3.19	2.88	4.55	4.73	3.63	5.12	4.17	5.59	3.5
DOLORES	1962	3.03	2.3	2.5	2.49	4.8	4.57	4.7	5.06	5.12	4.66	5.27	3.27
DOLORES	1963	3.01	2.82	2.99	4.06	4.66	4.5	6.55	4.59	4.77	5.06	5.08	3.45
DOLORES	1964	2.83	2.41	2.46	3.29	3.47	4.58	5.39	4.91	5.28	4.52	4.57	3.42
DOLORES	1965	3.13	2.34	2.28	2.94	3.91	3.47	3.48	4.16	5.53	4.42	4.61	3.16
DOLORES	1966	3.22	2.15	2.33	2.65	3.26	5.06	4.21	4.96	5.42	4.86	5.03	4.27
DOLORES	1967	3.4	2.52	2.28	3.84	5.36	7.93	8.09	5.23	4.76	4.27	3.84	2.82
DOLORES	1968	2.78	2.16	2.29	2.72	3.58	5.35	4.92	5.4	5.76	5.1	4.7	3.45
DOLORES	1969	2.88	2.15	1.9	3.93	4.19	3.04	2.66	5.81	5.57	6.12	7.33	3.69
DOLORES	1970	3.54	2.51	2.45	3.41	5.31	4.7	4.55	4.29	6.9	7.63	7.01	5.19
DOLORES	1971	5.51	4.74	5.15	4.33	6.8	6.21	8.01	9.2	6.89	6.39	5.36	3.43

DOLORES	1972	3.88	2.87	2.73	3.94	6.38	5.78	4.74	5	4.82	5.56	3.95	3.46
DOLORES	1973	2.79	2.18	2.12	2.49	3.52	3.6	3.93	3.96	5.28	4.61	5.51	4.37
DOLORES	1974	3.85	3.02	2.91	3.39	4.41	3.87	4.68	5.06	6.27	5.85	5.92	3.86
DOLORES	1975	3.42	2.85	3.28	3.13	4.29	6	6.54	7.51	8.02	7.6	7.66	6.32
DOLORES	1976	4.21	3.31	3.45	4.57	5.61	5.39	3.91	5.25	3.95	5.82	4.76	2.81
DOLORES	1977	2.41	2.04	1.83	2.16	3	5.09	4.81	5.23	4.61	4.07	3.74	3.11
DOLORES	1978	2.46	1.99	2.17	4.59	3.41	5.32	5.06	3.85	4.45	4.61	4.74	4.05
DOLORES	1979	2.81	2.38	2.19	2.95	3.89	5.96	3.04	3.44	4.16	6.09	6.73	4.15
DOLORES	1980	3.27	2.76	2.52	2.7	3.52	5.27	4.95	4.16	3.67	5.2	5.33	3.37
DOLORES	1981	2.73	2.48	2.5	3.25	7.15	6.37	6.31	4.22	5.45	5.43	4.92	3.28
DOLORES	1982	2.97	3.24	3.37	5.67	6.9	4.92	5.5	4.41	4.32	5.58	4.79	4.14
DOLORES	1983	2.52	2.4	2.31	4.49	6.68	4.44	8.02	5.05	7.49	5.73	5.02	4.9
DOLORES	1984	3.43	2.98	1.99	2.63	5.01	7.71	5.58	6.72	10.51	7.99	8.57	5.25
DOLORES	1985	3.56	2.71	3.52	3.53	5.99	4.65	5.73	7.25	8.19	6.11	4.95	4.87
DOLORES	1986	3.87	3.1	2.95	5.16	3.96	5.64	4.37	3.78	3.66	6.75	4.08	3.51
DOLORES	1987	1.4	1.23	0.78	3	5.62	4.76	7.91	4.05	7.43	7.53	4.55	3.61
DOLORES	1988	2.83	3.19	2.45	2.15	2.87	4.62	5.69	9.49	5.92	2.71	4.69	2.06
DOLORES	1989	1.44	1.02	3.44	2.91	4.79	6.29	6.18	7.09	6.4	6.56	4.23	3.81
DOLORES	1990	2.76	2.63	2.25	2.84	5.08	4.93	5.02	3.34	3.25	6.32	6.07	3.84
DOLORES	1991	3.58	3.04	3.4	3.24	9.73	8.21	9.47	3.63	3.01	3.58	4.41	3.12
DOLORES	1992	1.42	1.32	2.42	1.65	2.68	2.02	2.56	3.58	5.27	3.37	2.89	2.97
DOLORES	1993	3.06	2.15	2.97	3	4.43	3.43	4.33	4.64	6.49	4.28	4.68	4.47
DOLORES	1994	5.62	4.15	2.99	5.15	5.61	7.63	6	9.8	7.27	7.2	7.26	4.93
DOLORES	1995	3.84	2.45	2.32	3.14	4.45	6.48	8.57	6.78	7.42	6.6	5.86	6.95
DOLORES	1996	3.9	4.11	5.06	5.07	8.6	6.85	9.31	7.87	7.21	7.81	7.68	5
DOLORES	1997	4.21	3.93	3.91	4.66	3.81	4.73	3.09	2.77	5.02	2.56	3.29	1.96
DOLORES	1998	1.83	1.95	2.37	3.26	3.83	4.84	8.21	6.03	7.35	5.25	5.36	5.17
DOLORES	1999	3.52	4.3	4.58	6.23	7.91	8.38	7.37	5.51	7.04	7.75	6.96	4.97
DOLORES	2000	3.69	3.61	2.73	2.68	5.04	5.93	9.17	7.26	9.99	7.62	5.87	5.17
DOLORES	2001	4.42	3.7	3.84	3.63	6.13	7.38	7.56	4.45	6.21	5.07	6.4	5.79
DOLORES	2002	3.82	2.85	2.47	2.55	3.11	4.32	2.91	2.21	2.4	2.63	2.47	2.48
DOLORES	2003	1.91	1.87	2.02	2.63	3.49	4.36	3.58	3.27	3.51	5.34	4.6	3.85
DOLORES	2004	3.03	2.41	3.29	3.86	5.36	4.73	6.37	4.87	5.99	5.26	7.38	4.63
DOLORES	2005	4.85	4.07	4.27	4.59	5.07	5.93	4.96	4.63	4.9	5.57	7.26	4.34
DOLORES	2006	3.71	3.5	3.81	3.34	7.86	6.71	5.17	5.27	7.21	6.36	7.93	5.69
DOLORES	2007	5.18	3.93	3.39	4.77	8.01	7.33	7.78	8.69	8.07	9.55	8.37	5.32
DOLORES	2008	4.98	4.3	4.38	4.21	4.58	6.44	8.86	5.72	7.45	9.26	8.3	3.92
DOLORES	2009	6.23	5.01	3.73	4.74	4.55	5.59	3.89	4.26	4.34	4.18	5.91	3.19
DOLORES	2010	2.65	2.6	2.6	3.07	4.96	6.09	7.99	7	9.55	7.97	8.01	5.72
GRANDE	1942	16.73	17.68	25.95	46.66	55.79	38.49	30.89	36.69	32.12	54.55	53.51	37.73
GRANDE	1943	35.36	30.41	31.36	65.39	50.09	41.53	29.18	31.17	29.56	56.36	43.72	28.8
GRANDE	1944	21.86	21.57	22.43	22.52	59.12	64.72	32.31	29.94	40.87	53.22	40.77	25.28
GRANDE	1945	20.05	14.83	19.01	35.36	56.26	28.89	30.98	43.62	29.27	41.15	40.68	42.1
GRANDE	1946	37.45	22.14	29.37	45.05	40.87	25.95	21.19	25.76	25.19	32.69	32.79	33.36
GRANDE	1947	24.14	17.96	15.21	20.15	31.74	34.88	36.97	29.56	36.31	47.81	32.12	23.95
GRANDE	1948	17.68	15.11	16.44	35.64	40.11	35.93	44.76	25.47	23.38	24.9	43.24	24.62
GRANDE	1949	13.88	15.11	20.43	25.09	32.88	27.28	40.49	31.46	29.65	45.81	41.91	32.69
GRANDE	1950	19.1	22.71	24.33	22.43	38.78	59.88	40.3	61.87	35.93	49.04	42.2	43.05
GRANDE	1951	29.66	35.69	28.18	34.9	36.28	28.77	34.7	29.56	30.35	28.47	33.22	24.32
GRANDE	1952	19.48	17.1	19.58	26.6	30.45	27.98	31.44	48.94	46.96	40.14	49.73	25.21
GRANDE	1953	16.51	15.92	14.24	21.06	36.09	26.5	19.77	15.92	22.74	37.08	47.06	34.31
GRANDE	1954	16.12	17.99	14.43	27.88	33.91	41.62	53.49	39.05	30.49	53.5	47.27	38.92
GRANDE	1955	26.08	23.81	29.35	39.46	44.86	47.57	40.2	39.8	47.2	61.7	58.9	52.6
GRANDE	1956	42.9	54.3	38.2	45.8	56.2	56.6	44.1	49.9	46.5	67.1	44.5	41
GRANDE	1957	25.5	25.4	20.1	37.8	45.2	31.8	28.7	32.5	34.7	46.5	40.2	24.8
GRANDE	1958	18.8	14.7	19	20	34.9	22.6	15	26.9	16.1	27.8	26.1	26.4
GRANDE	1959	13.9	11.3	15.3	22.5	27.3	28.5	28.5	27.1	35.7	40	41.9	22.5
GRANDE	1960	21.1	19.5	19.6	34.6	35.2	29.2	34.5	32.1	39.4	39.8	39	35.3
GRANDE	1961	18.8	19.9	21.3	32.8	24.5	32.9	29.9	23.8	33.4	33.5	50.6	27.2
GRANDE	1962	21.2	18.2	23.9	29.1	54.8	40.6	33.1	39.7	39.1	46.9	43.8	30.3
GRANDE	1963	21.6	26.1	27.5	49.4	51.4	34.3	40.4	35.7	31.8	43	51.3	28.1
GRANDE	1964	20.2	21.4	19	37.7	30.7	42.8	40.2	38	44.1	41.2	44.8	30.1
GRANDE	1965	23.3	17.9	15.5	27.6	33.6	25.6	20.1	27.7	34.9	43.2	50.2	32.6
GRANDE	1966	27.1	16.4	17.9	22.5	27.9	36.5	27.4	32.4	33.4	47.4	47.4	40
GRANDE	1967	23.8	28.1	26.2	34.2	43.6	53.8	42.3	30.9	33.2	33.4	39.7	23.5
GRANDE	1968	18.8	19.4	18.3	32.9	39.4	45	40.4	32.8	45.6	51.4	47.9	31.3
GRANDE	1969	22.8	17.4	14.1	31.9	32.2	28.6	13.5	36	38	41.4	43.9	30.1
GRANDE	1970	24.2	21.1	17.3	32.1	49.6	37.8	29.8	32.8	47.3	67.1	68.4	46.7

GRANDE	1971	46.2	45.2	55.3	51.4	75.3	56.9	58.9	65	59.2	64.8	59.4	36.1
GRANDE	1972	33	28.1	30.1	39.6	60.6	45	34.2	35.1	30.7	40.1	40.7	27.2
GRANDE	1973	18.7	13.5	15.5	23	33.7	34.9	29.5	32.3	50.8	50.7	48.6	49.9
GRANDE	1974	38.8	36.8	33.3	39.1	41.9	33	36.2	43.2	61	66.2	59.3	31.8
GRANDE	1975	21.6	27.1	34.1	24.7	36.9	39.9	54.6	51.2	61.3	53.7	67.2	57.1
GRANDE	1976	29.4	26.1	33	42.5	51.6	42.9	26.6	24.3	24.6	51.7	36.9	21.7
GRANDE	1977	14.9	12.2	12.4	20.4	29.1	34.3	31.6	36.3	28.9	38.2	43.9	22.3
GRANDE	1978	14.9	13.4	22.2	48	33.9	42.3	31.4	23.2	30.6	40.1	44.1	33.3
GRANDE	1979	17.1	16.6	22.5	30.9	30.1	34.1	19.5	20.9	33.4	46.2	57.4	29.5
GRANDE	1980	21.1	20.3	14.8	23.8	27.5	35.1	26.2	24.8	27.8	42.6	38.8	31.2
GRANDE	1981	19.8	16.3	24.1	33.9	60.1	50.9	46.5	32.8	44.6	53.5	47.4	36.1
GRANDE	1982	35.9	39.8	35.5	56.8	64.2	41.8	31.9	27.1	29.4	45.1	37.3	33.5
GRANDE	1983	18.7	16.8	23.9	33.9	41.1	24.7	36.2	30	37.3	37.1	39	41.4
GRANDE	1984	31.4	30.8	19.8	24.9	44.4	44.5	41.3	38.8	50	65.1	57.5	36.6
GRANDE	1985	24.6	20.8	25.6	30.6	41	29.8	25.3	41.9	54.8	47.4	40.5	30.8
GRANDE	1986	24.4	29.5	24.9	42.7	32.6	40.2	26.4	23.4	23.9	52.4	37.2	23.9
GRANDE	1987	17.9	15.8	14.9	18.3	34	16.9	20.6	24.55	33.9	46.6	30.4	25.4
GRANDE	1988	15.6	15.8	11.5	23.6	25.9	29	28.4	48.94	51.12	54.45	62.05	49.07
GRANDE	1989	37.49	31.17	30.7	28.8	41.4	35.1	26.4	32.4	43.3	45.3	42.5	27.5
GRANDE	1990	23.1	25.5	24.2	33.5	36.4	28.9	25.1	19.8	27.6	55	35	24.8
GRANDE	1991	21.26	14.53	24.6	24.8	35.2	28.2	26.8	26	21.11	37.1	38.8	30.5
GRANDE	1992	17	16.6	19.3	17.3	25.86	19.82	18.98	22.74	28.18	22.6	26.6	31.12
GRANDE	1993	21.76	13.21	16.56	25.5	40	17.2	22.8	23.7	40.5	42.06	51	42.7
GRANDE	1994	22.33	25.02	33.93	41.49	35.93	35.35	26.99	32.63	29.57	40.05	44.66	23.81
GRANDE	1995	16.76	13.83	16.45	21.15	30.35	33.23	36.97	51.66	40.29	48.78	40	42.97
GRANDE	1996	29.8	29.11	47.65	37.43	59.07	59.11	68.09	41.1	36.65	46.04	40.07	27.13
GRANDE	1997	26.34	25.1	21.97	32.21	23.48	30.57	16.67	12.96	15.68	14.99	24.86	14.5
GRANDE	1998	10.87	10.7	12.93	27.64	33.93	31.56	38.1	31.22	48.61	40.03	40.03	42.43
GRANDE	1999	35.6	39.3	49.3	48.3	47	48.2	36.4	37.5	56.6	52.1	44.8	47.5
GRANDE	2000	28.5	31	29.1	33.8	45.6	47.1	42.6	41.9	56.1	40.9	38.7	27.9
GRANDE	2001	21.99	18.03	27.16	21.95	32.56	36.73	31.92	19.53	29.38	32.35	41.99	32.67
GRANDE	2002	20.22	16.35	19.49	30.45	32.28	39.79	20.29	16.8	15.66	22.15	23.47	27.4
GRANDE	2003	13.38	15.22	17.15	28.46	32.47	39.34	21.83	22.72	25.97	34.96	35.66	31.38
GRANDE	2004	22.74	17.47	17.05	20.9	31.66	25.12	36.88	23.07	35.86	34.36	44.06	28.48
GRANDE	2005	20.84	16.36	14.32	22.81	36.58	30.48	22.33	18.65	22.32	41.41	44.9	27.81
GRANDE	2006	23	17.99	26.82	39.91	59.22	45.25	24.73	25.26	33.86	34.16	54.21	35.86
GRANDE	2007	22.71	16.34	21.91	43.13	53.76	51.37	31.41	40.7	40.06	57.49	55.34	37.83
GRANDE	2008	26.12	26.92	31.65	31.88	44.78	56.07	59.21	53.85	48.94	57.07	63.24	34.09
GRANDE	2009	32.79	27.36	44.65	32.36	40.56	36.9	30.98	26.48	20.18	26.22	35.48	19.04
GRANDE	2010	13.36	11.64	11.23	20.62	30.49	44.59	55	47.09	70.69	58.52	81.14	62.69
GUADALUPE	1937										20.88	22.88	22.69
GUADALUPE	1938	12.68	10.68	13.25	27.74	30.6	37.08	33.56	41.56	31.27	29.36	28.03	22.12
GUADALUPE	1939	14.49	10.49	11.73	21.26	21.26	25.17	24.6	27.93	29.93	28.5	24.02	25.17
GUADALUPE	1940	12.87	13.16	12.11	12.39	16.02	21.83	12.3	17.54	23.83	18.59	18.02	16.4
GUADALUPE	1941	9.91	10.2	9.06	16.59	17.06	15.63	28.41	40.42	31.74	27.45	20.5	22.4
GUADALUPE	1942	12.39	14.2	15.44	25.45	32.32	23.83	27.36	31.36	26.79	28.88	26.03	19.35
GUADALUPE	1943	14.78	12.87	13.73	26.41	35.56	28.12	19.45	20.78	24.02	31.17	20.59	14.11
GUADALUPE	1944	11.25	10.87	11.34	11.34	29.27	28.5	17.83	19.16	27.93	30.31	27.65	17.64
GUADALUPE	1945	13.54	11.82	16.02	19.45	30.03	22.59	32.13	46.62	25.45	35.94	26.79	23.36
GUADALUPE	1946	17.64	13.82	18.11	31.94	28.79	24.5	22.69	27.55	31.84	25.55	22.5	18.49
GUADALUPE	1947	19.54	15.06	13.16	20.21	25.17	30.22	27.45	22.69	31.84	29.46	21.74	17.54
GUADALUPE	1948	16.78	11.63	12.11	22.4	24.6	29.27	19.45	22.5	23.64	23.45	21.74	16.49
GUADALUPE	1949	11.92	9.63	12.3	15.92	25.36	26.98	31.65	33.27	27.17	26.41	23.17	19.83
GUADALUPE	1950	16.02	15.73	15.06	13.44	24.98	35.08	32.03	41.85	27.65	31.08	28.98	25.93
GUADALUPE	1951	18.49	23.55	17.16	26.5	26.88	27.65	30.98	28.41	36.03	24.4	22.02	19.35
GUADALUPE	1952	12.68	10.96	9.34	15.06	23.07	24.5	31.17	35.27	32.51	30.6	26.31	20.5
GUADALUPE	1953	17.45	13.73	13.54	19.07	30.89	24.88	22.5	15.16	18.68	17.25	20.69	14.87
GUADALUPE	1954	14.91	11.79	12.24	26.47	30.14	34.15	36.82	28.14	31.81	41.05	30.14	20.36
GUADALUPE	1955	17.58	14.79	18.91	24.25	31.37	28.81	32.7	30.81	31.26	39.93	32.26	20.13
GUADALUPE	1956	16.8	17.13	18.02	23.92	40.16	45.38	28.37	37.71	31.59	35.82	33.82	22.25
GUADALUPE	1957	14.91	17.69	12.68	16.46	24.25	25.25	25.14	27.59	25.92	28.03	22.36	17.46
GUADALUPE	1958	11.68	10.01	11.12	10.46	22.02	14.35	13.01	23.58	14.35	18.24	14.02	14.13
GUADALUPE	1959	9.9	8.01	10.23	13.68	20.13	25.92	32.7	25.7	35.15	37.15	34.48	21.69
GUADALUPE	1960	16.02	13.24	10.57	18.58	23.25	28.48	27.92	28.03	33.48	31.15	27.25	19.55
GUADALUPE	1961	12.27	10.43	10.55	14.82	17.65	24.95	23.83	20.3	28.22	23.54	30.82	18.09
GUADALUPE	1962	13.59	11.77	12.67	15.71	31.91	31.16	29.53	30.42	34.29	26.14	24.92	14.81
GUADALUPE	1963	11.61	12.4	15.34	23.47	26.07	22.24	40.99	29.01	26.34	27.03	26.77	12.87
GUADALUPE	1964	10.8	10.37	11.31	21.42	18.22	18.85	33.03	25.05	31.57	28.19	23.23	15.94

GUADALUPE	1965	12.2	10.3	11.38	15.05	24.74	19.77	18.26	22.4	31.01	26.76	23.75	15.62
GUADALUPE	1966	15.22	11	11.99	16.08	13.83	24.18	17.98	21.19	21.52	21.51	19.48	18.24
GUADALUPE	1967	13.03	11.88	11.05	21.88	33.42	36.89	33.34	23.17	26.5	20.63	15.02	11.85
GUADALUPE	1968	10.01	8.62	12.53	15.07	20.56	26.3	27.56	25.98	30.99	26.63	23.99	15.22
GUADALUPE	1969	12.12	11.46	10.59	17.53	18.95	15.32	11.71	28.52	30.8	35.68	26.79	21.34
GUADALUPE	1970	22.33	18.12	20.03	25.58	32.61	30.49	28.01	26.46	37.73	43.72	35.18	27.07
GUADALUPE	1971	26.66	25.6	29.33	24.46	33.4	34.59	40.09	48.58	36.96	37.23	26.26	17.4
GUADALUPE	1972	18.11	13.75	13.93	22.55	37.58	33.52	25.57	32.08	32.08	25.02	21.35	17.45
GUADALUPE	1973	11.48	9.77	11.49	11.58	23.46	26.53	22.99	23.6	33.47	27.07	30.39	21.94
GUADALUPE	1974	14.49	12.98	13.36	17.09	31.09	23.53	25.5	30.99	37.76	35.58	31.34	16.72
GUADALUPE	1975	12.71	11.18	13.97	15.51	25.32	37.58	40.15	40.27	39.86	44.64	35.42	27.15
GUADALUPE	1976	17.6	13.87	16.07	26.23	32.25	26.72	21.22	27.06	25.15	29.01	21.77	13.04
GUADALUPE	1977	10.52	10.37	9.3	10.65	16.9	26.7	31.94	31.41	24.95	27	22.37	15.8
GUADALUPE	1978	13.27	12.34	12.22	23.43	23.8	32.57	27.07	20.33	25.25	26.66	21.29	19.61
GUADALUPE	1979	12.58	10.7	10.42	16.67	19.36	25.44	13.39	17.83	21.59	31.57	30.02	17.99
GUADALUPE	1980	13.19	11.16	10.07	10.19	18.84	24.99	26.69	26.07	20.75	29.21	29.4	17.73
GUADALUPE	1981	11.98	11.33	11.15	16.43	38.09	35.25	37.4	22.64	24.65	26.62	22.88	15.78
GUADALUPE	1982	12.84	14.63	13.99	22.83	31.48	22.27	23.66	24.46	24.68	33.72	20.52	15.52
GUADALUPE	1983	9.48	9.01	11.11	17.83	30.4	23.46	35.21	27.82	32.97	27.55	19.18	19.7
GUADALUPE	1984	14.15	15.15	9.7	11.99	19.05	30.33	25.35	23.16	34.46	36.14	33.3	20.16
GUADALUPE	1985	14.06	11.01	14.48	13.07	21.16	16.13	17.59	31.39	33.47	25.44	18.95	15.54
GUADALUPE	1986	12.68	12.8	12.45	18.98	19.47	24.85	17.43	19.14	17.82	28.27	17.06	12.53
GUADALUPE	1987	9.11	8.05	8.26	13.43	18.93	15.46	16.3	22.58	33.72	28.21	21.19	16.4
GUADALUPE	1988	11.09	10.9	9.4	11.91	17.46	15.85	18.24	28.42	28.27	29.13	28.84	18.75
GUADALUPE	1989	17.49	15.09	15.77	16.08	19.15	30.52	23.36	31.12	33.53	36.89	22.91	19.18
GUADALUPE	1990	13.34	14.18	13.7	17.09	25.18	26.63	25.19	17.19	21.59	33.57	25.68	17.17
GUADALUPE	1991	19.24	16.63	18.9	20.57	30.4	27.19	32.64	22.88	18.84	24.32	22.01	18.55
GUADALUPE	1992	14.36	13.06	12.91	14.2	20.05	17.65	20.79	27.4	31.92	24.92	21.35	15.73
GUADALUPE	1993	13.83	11.61	12.44	8.72	10.9	18.02	26.96	32.02	40.43	41.51	29.18	28.71
GUADALUPE	1994	16.7	16.51	15.15	26.1	33.98	36.19	24.13	51.71	36.11	23.11	34.82	20.42
GUADALUPE	1995	12.97	11	11.95	17.22	23.3	17.35	37.13	33.79	28.52	27.2	16.89	26.73
GUADALUPE	1996	16.79	18.13	19.86	24.48	41.07	29.32	35.16	32.4	33.87	31.79	28.93	20.1
GUADALUPE	1997	12.04	17.22	13.49	24.88	16.9	30.33	10.66	10.14	18.54	12.24	11.16	7.63
GUADALUPE	1998	6.33	6.71	7.07	14.2	16.61	29	37.8	25.55	37.89	24.92	21.98	24.1
GUADALUPE	1999	16.7	20.13	20.45	30.07	33.73	34.99	33.3	32.24	34.35	34.41	26.14	19.14
GUADALUPE	2000	13.4	13.95	12.67	14.66	26.08	31.65	38.17	35.6	36.1	27.5	21.19	20.13
GUADALUPE	2001	14.46	11.79	13.47	17.69	33.62	34.85	30.36	22.4	29.77	25.09	30.16	26.56
GUADALUPE	2002	14.58	12.1	11.76	18.54	23.89	28.02	14.85	14.74	17.68	15.35	14.12	13.78
GUADALUPE	2003	8.9	10.03	10.43	19.91	33.82	30.78	20.52	23.17	23.2	26.54	23.27	20.02
GUADALUPE	2004	13.66	11.16	11.91	15.4	23.69	21.31	31.35	20.62	27.81	23.8	26.7	16.56
GUADALUPE	2005	12.7	10.34	10.05	19.47	20.63	23.63	16.94	15.91	20.45	22.28	29.14	15.19
GUADALUPE	2006	11.61	11.26	13.79	21.09	31.46	29.84	17.69	20.99	29.99	26.18	30.59	20.8
GUADALUPE	2007	15.4	10.6	10.97	24.62	39.3	32.27	28.01	39.46	31.52	38.04	27.91	18.37
GUADALUPE	2008	13.84	14.84	12.76	12.4	18.04	32.91	43.36	28.49	33.37	35.97	30.91	17.86
GUADALUPE	2009	15.71	17.78	18.41	21.39	23.3	32.99	24.22	24.79	19.07	19.33	21.48	12.86
GUADALUPE	2010	9.73	8.66	10.37	14.88	26.59	33.57	32.5	33.79	41.71	29.81	31.52	22.58
GUATAPE	1959	20.39	12.77	12.79	19.22	32.13	28.45	19.76	23.27	34.19	39.72	34.4	29.89
GUATAPE	1960	17.55	12.58	13.56	19.51	34.87	28.19	35.35	23.58	32.82	42.4	43.38	26.35
GUATAPE	1961	14.06	11.9	20.19	23.82	19.89	26.68	24.27	20.13	35.93	34.82	48.21	36.34
GUATAPE	1962	21.42	18.16	26.47	25.27	43.42	35.8	24.1	29.24	23.79	34.93	30.74	20.93
GUATAPE	1963	19.26	14.45	20.29	30.71	34.38	20.66	24.53	28.05	35.56	43.05	47.87	30.39
GUATAPE	1964	12.64	10.4	10.85	19.85	19.9	26.02	26.32	24.48	32.12	36.05	42.75	23.08
GUATAPE	1965	21.59	18.19	14.68	23.4	43.6	21.91	15.53	25.1	47.43	38.5	45.94	27.12
GUATAPE	1966	29.67	17.76	21.16	24.67	33.18	35.63	21.48	31.05	30.42	45.31	47.75	37.01
GUATAPE	1967	28.18	20.84	24.04	45.73	41.48	31.48	34.56	26.48	31.91	35.95	30.31	22.97
GUATAPE	1968	17.65	12.76	16.59	33.61	32.65	34.88	39.35	38.82	53.71	52.75	40.73	25.74
GUATAPE	1969	24.67	14.89	14.36	30.2	30.84	25.63	13.29	30.74	50.09	49.03	44.67	30.63
GUATAPE	1970	24.57	16.17	15.31	21.7	39.14	22.97	32.97	25.42	47.75	69.02	45.73	29.88
GUATAPE	1971	34.03	27.76	46.79	37.33	73.6	34.14	34.14	41.08	45.94	47.11	42.1	32.87
GUATAPE	1972	31.51	20.8	23.13	30.45	16.65	29.76	14.41	23.62	20.22	29.19	36.99	24.88
GUATAPE	1973	15.79	10.62	13.83	22.22	26.13	36.3	18.36	37.53	45.22	39.25	57.47	21.57
GUATAPE	1974	8.41	24.97	13.96	35.48	50.34	37.97	27.19	44.2	46.78	49.03	54.02	26.09
GUATAPE	1975	19.14	18.24	24.65	43.16	43.36	38.23	43.83	30.91	44.72	48.23	40.41	39.44
GUATAPE	1976	22.96	18.33	27.93	51.17	43.3	23.7	10.93	11.45	15.13	41.59	31.76	15.61
GUATAPE	1977	12.93	13.35	16.84	18.26	30.38	27.14	27.28	33.9	33.18	35.02	38.61	17.72
GUATAPE	1978	12.35	4.85	19.48	41.12	40.41	29.21	30.34	19.89	28.34	32.92	35.11	31.57
GUATAPE	1979	14.69	13.9	15.67	20.79	32.33	28.98	19.7	26.41	31.5	49.12	37.57	22.49
GUATAPE	1980	14.47	15.45	11.65	11.1	27.55	24.09	20.65	21.82	27.84	42.91	44.83	22.41

GUATAPE	1981	11.81	14.96	13.56	30.49	49.7	42.73	26.95	22.31	30.16	44.36	35.64	22.89
GUATAPE	1982	18.33	26.28	39.93	45.89	40.32	23.24	17.74	17.93	51.06	38.33	28.58	21.02
GUATAPE	1983	16.71	7.51	7.39	24.18	33.33	22.29	25.81	21.65	37.24	40.68	34.05	37.35
GUATAPE	1984	29.04	31.27	20.22	27.03	39.65	43.9	29.82	33.16	46.28	53.14	53.43	49.54
GUATAPE	1985	23.88	20.78	27.47	32.68	44.88	26.69	20.44	37.02	38.12	31.68	26.57	25.93
GUATAPE	1986	28.33	25.83	21.74	48.08	45.18	28.74	17.56	26.56	34.87	49.27	48.57	30.95
GUATAPE	1987	19.66	16.29	28.9	28.21	45.33	29.42	40.95	48.01	66.44	71.78	53.57	25.24
GUATAPE	1988	18.8	32.63	28.15	55.3	46.44	38.6	34.46	48.01	68.15	58.12	73.09	47
GUATAPE	1989	59	33.07	47.23	50.24	45.69	45.38	24.4	38.49	63.65	57.68	52.67	31.75
GUATAPE	1990	26.63	22.28	19.31	34.41	27.46	34.56	28.49	32.08	49.59	77.74	56.41	39.84
GUATAPE	1991	24.95	21.87	22.93	32.76	40.07	52.74	23.43	16.36	21.72	32.4	44.99	32.61
GUATAPE	1992	21.33	20.76	22.67	27.98	42.19	24.04	20.84	30.46	43.08	35.63	30.36	34.31
GUATAPE	1993	28.91	14.12	23.56	36.2	34.88	15.57	24.2	25.44	59.8	53.75	37.05	30.9
GUATAPE	1994	26.54	28.19	34.12	47.79	46.86	31.65	33	31.78	36.38	42.18	49.33	40.44
GUATAPE	1995	38.19	30.47	36.5	57.67	52.81	53.27	36.75	46.16	46.9	51.28	53.15	44.29
GUATAPE	1996	31.32	35.41	41.99	59.23	58.25	46.39	39	37.35	38.47	63.01	45.92	34.21
GUATAPE	1997	27.38	28.32	34.92	42.35	26.06	30.1	16.41	17	40.73	31.32	32.7	18.53
GUATAPE	1998	16.8	20.5	15.5	25.6	37.4	21.8	27.1	27.5	37.5	50.7	49.3	44.2
GUATAPE	1999	42.9	42.5	34.2	46.2	41.7	44.1	32.5	33.1	49.9	58.5	46.7	39.2
GUATAPE	2000	21.3	25.2	27.9	30.7	49.6	48.8	37.4	33.9	49.9	52.9	44.8	32.1
GUATAPE	2001	22.36	15.36	23.69	24.35	38.2	26.75	33.25	15.88	35.03	49.54	40.65	32.86
GUATAPE	2002	24.03	21.4	23.51	36.49	24.05	33.47	20.68	19.54	35.81	37.14	29.46	28.38
GUATAPE	2003	13.31	16.41	22.32	42.23	43.25	51.98	29.24	28.49	32	40.92	34.14	37.46
GUATAPE	2004	25.31	18.8	26.37	36.37	39.64	21.37	36.43	24.56	45.79	43.62	54.81	34.4
GUATAPE	2005	23.94	14.85	16.41	32.8	43.57	49.36	31.3	28.42	34.95	41.92	59.89	27.53
GUATAPE	2006	27.04	28.89	41.75	42.05	44.9	29	22.46	26.43	33.09	50.33	57.99	42.16
GUATAPE	2007	32.01	17.7	28.29	36.55	53.91	35.06	33.54	44.61	61.37	68.76	45.46	36.33
GUATAPE	2008	30.42	30.74	38.14	43.04	54.42	37.99	51.03	48.98	44.73	56.29	64.27	35.68
GUATAPE	2009	57.81	42.42	49.77	41.07	46.11	41.35	25.71	41.11	38.58	49.23	43.24	43.47
GUATAPE	2010	14.1	13.06	18.47	28.52	43.44	40.66	43.15	46.93	57.2	56.26	73.02	49.78
NARE	1955								47.9	59.4	79	88.4	69
NARE	1956	65.2	56.6	52.4	48.9	87	73.8	53.6	59.5	65.2	90	79.6	59.1
NARE	1957	37.9	31.3	24.7	46	58	46.7	38	40.3	41.1	49.9	44.4	37
NARE	1958	22.7	20.7	27.4	29.9	47.3	28.8	23.4	43.4	29	40.5	37	33.8
NARE	1959	20.5	17.5	19.4	26	38.3	39.2	32.8	36.8	59.8	51.7	51.1	30.7
NARE	1960	25.1	23	27.5	32.9	46.4	43.9	52.5	36.4	56.4	51.1	48	54.8
NARE	1961	30.6	29.1	28.2	34	33.2	41.4	37.3	32	57.2	59.4	79.1	47.3
NARE	1962	29.4	25.5	37.6	46.2	85.7	84.7	52.9	57.2	59	80.6	67.7	43.6
NARE	1963	31.6	42.1	45.1	59.1	62.2	43.2	46.2	46.8	50.6	62.4	76.4	38.1
NARE	1964	27.6	21.8	21.6	41.8	36.8	54.3	55.5	54.6	60.3	57.5	61.6	43.2
NARE	1965	31.8	27.1	25.5	34.1	50.7	35.6	30.9	45.2	63.7	66.2	75.9	46
NARE	1966	30.6	25.5	25.2	30.5	36.2	55.1	45.6	57.1	49.9	55.5	69.1	66
NARE	1967	42.2	30.3	32.7	56.3	65.5	71	49.2	45.5	60	49	48.2	34.7
NARE	1968	26.4	23.8	28.2	48.4	44	65.4	66.7	47	73.4	71.9	68.3	46.9
NARE	1969	38.2	23.8	23.1	53.6	55.1	43	21.7	50.2	59.1	84.3	68	44.2
NARE	1970	36.1	25	26.4	34.2	75.9	51.7	49	42.4	59.8	93	106.3	61.4
NARE	1971	52.6	44.1	55.4	61.4	97	80.9	90.7	108.5	96.5	77.4	61.4	46
NARE	1972	39.09	32.64	33.76	45.11	95.72	67.96	48.2	45.4	45.54	52.54	55.21	38.81
NARE	1973	28.01	22.69	24.09	27.31	35.16	53.24	36.14	54.93	104.97	72.73	59.69	73.01
NARE	1974	52.4	48.2	41.19	58.57	61.23	63.62	55.21	62.92	92.91	96.7	84.78	49.46
NARE	1975	34.32	36.28	35.3	36.7	49.6	55.35	73.01	68.52	79.74	77.91	96	81.14
NARE	1976	49.6	38.81	33.2	66.42	74.83	64.88	35.44	29.56	30.26	58.99	57.73	32.08
NARE	1977	23.81	25.07	21.85	27.03	35.58	45.68	37.27	53.24	42.03	61.51	58.43	35.72
NARE	1978	34.02	30.84	43.85	95.74	76.75	68.69	67	41.29	46.26	58.38	54.92	46.64
NARE	1979	32.8	29.78	33.46	44.11	59.34	60.99	37.66	45.31	64.1	67.01	83.53	55.16
NARE	1980	35.32	29.83	25.52	31.53	36.35	42.6	32.18	33.36	32.72	62.04	60.78	45.44
NARE	1981	27.83	23.3	26.48	40.87	86.81	90.51	65.57	41.34	68.31	69.62	74.91	50.91
NARE	1982	50.5	46.96	40.93	71.81	95.75	47.46	32.98	32.31	34.44	51.88	53.33	35.11
NARE	1983	26.55	24.74	25.94	48.92	51.68	39.38	41.03	35.99	48.66	48.8	41.15	47.31
NARE	1984	43.24	33.02	28.44	30.04	59.1	83.02	66.94	56.95	61.96	84.14	82.33	45.64
NARE	1985	32.93	30.35	36.05	43.38	76.27	44.87	34.3	73.44	74.34	56.89	59.26	45.9
NARE	1986	31.95	37.7	41.63	53.24	47.9	52.62	38.92	37.67	40.15	75.37	56.14	38.24
NARE	1987	27.67	25.93	24.56	33.2	55.9	31.81	34.98	48.14	51.26	78.61	63.86	48.34
NARE	1988	32.88	31.13	30.32	36.77	42.54	57.87	61.45	82.77	91.94	87.39	104.95	76.64
NARE	1989	55.11	42.3	44.62	49.43	62.02	66.03	40.54	50.23	80.62	83.98	67.06	50.5
NARE	1990	35.13	35.16	30.06	43.37	55.75	49.68	44.81	33.01	47.51	82.79	62.19	44.27
NARE	1991	31.25	26.4	30.24	42.3	55.31	50.19	39.87	38.19	31.78	55.17	43.33	40.23
NARE	1992	28.01	24.4	24.03	27.54	39.89	35.28	25	35.15	49.23	40.87	38.01	49.63

NARE	1993	34.39	25.36	28.17	37.65	61.7	33.35	43.54	43	69.77	60.95	74.1	53.67
NARE	1994	35.67	31.26	31.27	51.36	55.91	47.27	38.66	33.33	41.57	72.4	67.77	39.92
NARE	1995	26.51	22.52	33.55	35.52	59.77	64.56	60.42	89.46	57.72	58.63	48.52	54.2
NARE	1996	41.99	37.77	54.45	52.15	87.8	79.72	79.74	58.3	59.16	77.02	49.92	41.84
NARE	1997	41.4	40.18	40.31	48.66	35.79	61.96	30.37	24.82	28.3	32.35	37.63	25.7
NARE	1998	18.78	18.67	18.87	24.8	44.73	43.95	48.77	47.87	71.16	62.94	58.91	74.23
NARE	1999	51.59	67.88	83.28	71.4	87.21	74.21	49.87	37.71	85.32	89.91	104.18	110.34
NARE	2000	50.22	51.62	52.78	50.85	88.92	108.15	87.4	80.27	107.83	88.76	73.81	45.1
NARE	2001	40.49	30.02	36.9	34.07	46.18	46.43	41.02	27.37	35.75	38.25	51.02	42.83
NARE	2002	27.72	25.45	27.06	65.31	57.62	57.27	38.22	28.45	33.4	40	51.93	38.03
NARE	2003	23.6	22.29	31.43	45.75	48.69	79.23	40	35.13	40.6	50.19	65.15	47.67
NARE	2004	33.92	29.75	35.13	50.77	69.08	49.52	59	42.13	76.76	79.7	109.7	53.2
NARE	2005	38.88	32.33	36.58	49.36	87.34	80.33	53.04	36.8	48.4	79.4	87.25	46.45
NARE	2006	39.43	34.49	39.88	70.31	103.81	68.61	39.11	42.97	58.72	61.38	86.6	53.32
NARE	2007	35.97	29.55	30.1	61.99	97.33	71.25	46.76	59.12	83.35	112.56	84.77	63.28
NARE	2008	48.79	55.62	73.54	65.02	102.61	93.68	89.17	102.44	85.9	101.22	116.9	64.29
NARE	2009	54.79	51.5	46.84	61.78	72.78	62.73	55.31	42.26	36.06	47.12	64.69	32.35
NARE	2010	22.62	21.19	23.35	32.99	49.04	76.85	98.28	67.99	117.07	114.93	137.18	105.4
NECHI	1955	3.23	2.55	2.94	4.06	5.88	4.92	5.35	4.2	4.51	6.92	5.21	4.27
NECHI	1956	3.84	3.7	3.48	4.42	6.74	6.19	4.27	4.84	4.07	5.81	5.49	3.62
NECHI	1957	2.74	2.6	2.15	3.35	5.05	3.34	3.05	2.95	3.01	4.42	3.5	3.01
NECHI	1958	2.08	1.71	2.01	1.96	3.87	2.08	1.9	2.68	1.7	2.42	1.9	2.05
NECHI	1959	1.36	1.22	1.41	1.91	3.22	3.07	3.5	2.69	3.53	4.29	4.22	2.95
NECHI	1960	2.4	2.13	1.93	3.18	3.98	3.76	3.82	3.38	3.78	4.01	3.49	4.07
NECHI	1961	2.33	2.12	2.09	3.48	3.45	4	4.01	2.86	3.73	3.87	4.74	3.2
NECHI	1962	2.47	2.14	2.41	2.71	5.75	4.02	3.98	3.98	3.73	4.33	4.47	3
NECHI	1963	2.45	2.63	2.89	4.42	5.58	3.96	5.55	3.6	3.48	4.7	4.31	3.16
NECHI	1964	2.31	2.25	2.38	3.59	4.15	4.03	4.57	3.86	3.85	4.2	3.88	3.13
NECHI	1965	2.55	2.18	2.21	3.2	4.68	3.05	2.95	3.27	4.03	4.1	3.91	2.89
NECHI	1966	2.62	2	2.25	2.89	3.9	4.45	3.57	3.89	3.95	4.51	4.27	3.9
NECHI	1967	2.77	2.35	2.21	4.18	6.42	6.97	6.86	4.11	3.47	3.96	3.25	2.58
NECHI	1968	2.27	2.01	2.21	2.96	4.28	4.71	4.17	4.25	4.2	4.73	3.98	3.16
NECHI	1969	2.35	2	1.84	4.28	5.01	2.67	2.25	4.57	4.06	5.68	6.22	3.38
NECHI	1970	2.89	2.34	2.37	3.71	6.35	4.13	3.86	3.37	5.03	7.08	5.94	4.75
NECHI	1971	4.49	4.42	4.98	4.72	8.14	5.46	6.79	7.23	5.02	5.93	4.55	3.14
NECHI	1972	3.16	2.67	2.64	4.29	7.64	5.08	4.02	3.93	3.51	5.16	3.35	3.16
NECHI	1973	2.27	2.03	2.05	2.71	4.21	3.17	3.33	3.11	3.85	4.28	4.67	4
NECHI	1974	3.14	2.81	2.82	3.69	5.28	3.41	3.97	3.98	4.57	5.43	5.02	3.54
NECHI	1975	2.79	2.66	3.17	3.41	5.13	5.28	5.55	5.9	5.84	7.06	6.49	5.78
NECHI	1976	3.43	3.08	3.33	4.98	6.71	4.74	3.31	4.12	2.88	5.4	4.04	2.57
NECHI	1977	1.97	1.9	1.77	2.35	3.58	4.47	4.08	4.11	3.36	3.78	3.17	2.85
NECHI	1978	2	1.85	2.09	5	4.08	4.68	4.29	3.02	3.24	4.28	4.02	3.7
NECHI	1979	2.29	2.22	2.11	3.21	4.66	5.24	2.58	2.7	3.03	5.65	5.71	3.8
NECHI	1980	2.67	2.57	2.43	2.95	4.21	4.63	4.2	3.27	2.67	4.83	4.52	3.09
NECHI	1981	2.23	2.31	2.42	3.54	8.55	5.6	5.35	3.31	3.97	5.04	4.17	3
NECHI	1982	2.42	3.02	3.26	6.18	8.25	4.32	4.67	3.47	3.15	5.18	4.06	3.79
NECHI	1983	2.05	2.24	2.23	4.89	7.99	3.9	6.8	3.97	5.46	5.32	4.26	4.48
NECHI	1984	2.79	2.78	1.92	2.87	6	6.78	4.73	5.28	7.66	7.42	7.27	4.81
NECHI	1985	2.9	2.53	3.4	3.85	7.17	4.09	4.86	5.69	5.97	5.67	4.2	4.46
NECHI	1986	3.16	2.88	2.85	5.62	4.74	4.96	3.7	2.97	2.67	6.27	3.46	3.21
NECHI	1987	1.14	1.14	0.76	3.27	6.72	4.19	6.71	3.18	5.42	6.99	3.86	3.3
NECHI	1988	2.31	2.97	2.37	2.34	3.43	4.06	4.82	7.46	4.31	2.52	3.98	1.88
NECHI	1989	1.17	0.95	3.32	3.17	5.74	5.53	5.24	5.57	4.67	6.09	3.59	3.49
NECHI	1990	2.25	2.45	2.17	3.1	6.08	4.34	4.25	2.63	2.37	5.87	5.14	3.52
NECHI	1991	2.92	2.83	3.29	3.53	11.64	7.22	8.03	2.86	2.2	3.33	3.74	2.86
NECHI	1992	1.16	1.23	2.34	1.79	3.2	1.77	2.17	2.82	3.84	3.13	2.45	2.72
NECHI	1993	2.5	2	2.87	3.27	5.3	3.02	3.67	3.64	4.73	3.97	3.97	4.09
NECHI	1994	4.58	3.86	2.89	5.61	6.71	6.71	5.09	7.7	5.3	6.68	6.15	4.51
NECHI	1995	3.13	2.28	2.25	3.42	5.33	5.7	7.27	5.33	5.41	6.13	4.97	6.36
NECHI	1996	3.18	3.83	4.88	5.53	10.28	6.02	7.89	6.19	5.25	7.25	6.51	4.58
NECHI	1997	3.43	3.66	3.78	5.08	4.56	4.16	2.62	2.17	3.66	2.38	2.79	1.8
NECHI	1998	1.49	1.81	2.29	3.56	4.58	4.26	6.96	4.74	5.36	4.87	4.55	4.73
NECHI	1999	2.87	4	4.42	6.79	9.46	7.36	6.25	4.33	5.13	7.2	5.9	4.55
NECHI	2000	3.01	3.36	2.64	2.92	6.03	5.22	7.77	5.7	7.28	7.08	4.98	4.73
NECHI	2001	3.6	3.45	3.71	3.96	7.33	6.49	6.41	3.49	4.53	4.71	5.43	5.3
NECHI	2002	3.12	2.65	2.38	2.78	3.73	3.8	2.47	1.73	1.75	2.44	2.09	2.27
NECHI	2003	1.56	1.74	1.95	2.86	4.18	3.83	3.04	2.57	2.56	4.96	3.9	3.53
NECHI	2004	2.47	2.24	3.17	4.2	6.42	4.16	5.4	3.83	4.36	4.89	6.26	4.24

NECHI	2005	3.95	3.79	4.13	5	6.07	5.21	4.21	3.64	3.57	5.17	6.15	3.97
NECHI	2006	3.03	3.26	3.68	3.64	9.41	5.9	4.38	4.14	5.25	5.91	6.72	5.21
NECHI	2007	4.22	3.66	3.27	5.19	9.59	6.44	6.59	6.82	5.88	8.87	7.09	4.87
NECHI	2008	4.06	4	4.23	4.59	5.47	5.67	7.51	4.49	5.43	8.6	7.03	3.59
NECHI	2009	5.08	4.67	3.61	5.17	5.44	4.91	3.3	3.34	3.16	3.88	5.01	2.92
NECHI	2010	2.16	2.42	2.51	3.34	5.94	5.36	6.78	5.5	6.96	7.4	6.79	5.24
PAJARITO	1955	2.32	1.61	2.01	2.59	3.95	3.47	3.75	3.63	4.2	5.85	4.27	3.08
PAJARITO	1956	2.76	2.33	2.38	2.82	4.53	4.37	2.99	4.18	3.78	4.91	4.5	2.61
PAJARITO	1957	1.96	1.64	1.47	2.14	3.39	2.35	2.13	2.55	2.8	3.74	2.87	2.17
PAJARITO	1958	1.49	1.08	1.37	1.25	2.6	1.47	1.33	2.32	1.58	2.05	1.55	1.48
PAJARITO	1959	0.98	0.77	0.96	1.22	2.16	2.16	2.45	2.33	3.28	3.63	3.46	2.13
PAJARITO	1960	1.72	1.34	1.32	2.04	2.67	2.65	2.67	2.92	3.52	3.39	2.86	2.94
PAJARITO	1961	1.67	1.33	1.43	2.22	2.32	2.83	2.8	2.47	3.47	3.28	3.88	2.31
PAJARITO	1962	1.77	1.35	1.65	1.73	3.86	2.84	2.79	3.44	3.47	3.66	3.67	2.16
PAJARITO	1963	1.76	1.66	1.98	2.83	3.75	2.79	3.89	3.11	3.24	3.97	3.53	2.28
PAJARITO	1964	1.66	1.41	1.63	2.29	2.79	2.84	3.2	3.33	3.58	3.56	3.18	2.26
PAJARITO	1965	1.83	1.37	1.51	2.05	3.14	2.16	2.07	2.82	3.75	3.47	3.21	2.09
PAJARITO	1966	1.88	1.26	1.54	1.85	2.62	3.14	2.5	3.36	3.68	3.81	3.5	2.82
PAJARITO	1967	1.99	1.48	1.51	2.67	4.31	4.92	4.8	3.55	3.23	3.35	2.67	1.86
PAJARITO	1968	1.63	1.26	1.51	1.89	2.88	3.32	2.92	3.67	3.91	4	3.26	2.28
PAJARITO	1969	1.68	1.26	1.26	2.73	3.37	1.89	1.58	3.94	3.78	4.81	5.1	2.44
PAJARITO	1970	2.07	1.47	1.62	2.38	4.27	2.92	2.7	2.91	4.68	5.99	4.87	3.43
PAJARITO	1971	3.22	2.78	3.4	3.01	5.47	3.85	4.75	6.24	4.67	5.02	3.73	2.27
PAJARITO	1972	2.27	1.68	1.81	2.75	5.13	3.59	2.81	3.39	3.27	4.36	2.75	2.29
PAJARITO	1973	1.63	1.28	1.4	1.74	2.83	2.24	2.33	2.69	3.58	3.62	3.83	2.89
PAJARITO	1974	2.25	1.77	1.93	2.36	3.55	2.4	2.78	3.44	4.25	4.6	4.12	2.55
PAJARITO	1975	2	1.67	2.17	2.18	3.45	3.73	3.88	5.1	5.44	5.98	5.32	4.18
PAJARITO	1976	2.46	1.94	2.28	3.18	4.51	3.34	2.32	3.56	2.68	4.57	3.31	1.86
PAJARITO	1977	1.41	1.19	1.21	1.51	2.41	3.16	2.86	3.55	3.12	3.19	2.6	2.06
PAJARITO	1978	1.44	1.17	1.43	3.19	2.74	3.3	3	2.61	3.02	3.62	3.29	2.68
PAJARITO	1979	1.64	1.4	1.45	2.06	3.13	3.7	1.8	2.33	2.82	4.78	4.68	2.75
PAJARITO	1980	1.91	1.62	1.67	1.88	2.83	3.27	2.94	2.82	2.49	4.09	3.71	2.23
PAJARITO	1981	1.6	1.45	1.65	2.27	5.74	3.95	3.74	2.86	3.7	4.26	3.42	2.17
PAJARITO	1982	1.74	1.9	2.23	3.95	5.54	3.05	3.27	2.99	2.93	4.39	3.33	2.73
PAJARITO	1983	1.47	1.41	1.52	3.13	5.37	2.75	4.76	3.43	5.08	4.51	3.49	3.24
PAJARITO	1984	2	1.75	1.31	1.83	4.03	4.79	3.31	4.56	7.13	6.27	5.96	3.47
PAJARITO	1985	2.08	1.59	2.32	2.46	4.82	2.88	3.4	4.92	5.55	4.8	3.44	3.22
PAJARITO	1986	2.26	1.82	1.95	3.6	3.19	3.5	2.59	2.57	2.48	5.31	2.83	2.32
PAJARITO	1987	0.82	0.72	0.52	2.09	4.51	2.96	4.69	2.75	5.04	5.91	3.16	2.39
PAJARITO	1988	1.66	1.87	1.62	1.5	2.3	2.87	3.37	6.44	4.01	2.13	3.26	1.36
PAJARITO	1989	0.84	0.6	2.27	2.02	3.85	3.9	3.66	4.81	4.34	5.16	2.94	2.52
PAJARITO	1990	1.61	1.54	1.49	1.98	4.09	3.06	2.98	2.27	2.2	4.97	4.21	2.54
PAJARITO	1991	2.09	1.78	2.25	2.25	7.82	5.1	5.62	2.47	2.04	2.82	3.06	2.06
PAJARITO	1992	0.83	0.78	1.6	1.15	2.15	1.25	1.52	2.43	3.58	2.65	2	1.96
PAJARITO	1993	1.79	1.26	1.97	2.09	3.56	2.13	2.57	3.15	4.4	3.36	3.25	2.96
PAJARITO	1994	3.29	2.43	1.98	3.58	4.5	4.73	3.56	6.65	4.93	5.65	5.04	3.26
PAJARITO	1995	2.25	1.44	1.54	2.18	3.58	4.02	5.09	4.6	5.03	5.18	4.08	4.59
PAJARITO	1996	2.28	2.41	3.34	3.53	6.91	4.25	5.52	5.34	4.89	6.13	5.34	3.31
PAJARITO	1997	2.46	2.31	2.59	3.24	3.06	2.93	1.83	1.88	3.4	2.02	2.29	1.3
PAJARITO	1998	1.07	1.14	1.57	2.27	3.08	3.01	4.87	4.09	4.98	4.12	3.73	3.42
PAJARITO	1999	2.06	2.52	3.03	4.34	6.35	5.2	4.37	3.74	4.77	6.09	4.84	3.29
PAJARITO	2000	2.16	2.12	1.81	1.86	4.05	3.68	5.44	4.92	6.77	5.99	4.08	3.42
PAJARITO	2001	2.58	2.17	2.54	2.53	4.92	4.58	4.48	3.02	4.21	3.99	4.45	3.83
PAJARITO	2002	2.23	1.67	1.63	1.78	2.5	2.68	1.73	1.5	1.63	2.07	1.71	1.64
PAJARITO	2003	1.12	1.09	1.33	1.83	2.81	2.7	2.12	2.22	2.38	4.2	3.19	2.55
PAJARITO	2004	1.77	1.41	2.17	2.69	4.31	2.94	3.78	3.31	4.06	4.14	5.13	3.06
PAJARITO	2005	2.83	2.39	2.82	3.19	4.08	3.68	2.94	3.14	3.32	4.38	5.04	2.87
PAJARITO	2006	2.17	2.05	2.52	2.32	6.32	4.17	3.07	3.58	4.89	5	5.51	3.76
PAJARITO	2007	3.03	2.31	2.24	3.32	6.44	4.55	4.61	5.89	5.47	7.51	5.81	3.51
PAJARITO	2008	2.91	2.52	2.89	2.93	3.68	4	5.25	3.88	5.05	7.28	5.76	2.59
PAJARITO	2009	3.64	2.94	2.47	3.3	3.65	3.47	2.31	2.89	2.94	3.28	4.1	2.11
PAJARITO	2010	1.55	1.53	1.72	2.14	3.99	3.78	4.74	4.75	6.48	6.26	5.56	3.78
PORCE2	1972						97.46	72.31	73.1	67.8	86.13	88.92	62.03
PORCE2	1973	43.88	31.31	36.71	47.74	70.52	89	67.49	94.14	126.67	97.97	96.21	86.19
PORCE2	1974	71.85	62.48	63.38	73.44	84.8	70.23	67.38	92.88	124.33	125.85	113.95	67.95
PORCE2	1975	54.06	62.74	62.31	61.77	85.27	81.03	111.12	109.37	100.82	117.03	117.84	97.98
PORCE2	1976	63.8	54.45	54.23	82.69	88.26	78.29	44.08	47.46	46.69	67.56	53.69	38.45
PORCE2	1977	52	53.86	55.01	53.93	60.64	81.21	68.45	61.36	78.39	76.85	67.07	47.25

PORCE2	1978	42.16	39.2	40.59	42.86	74.42	76.6	70.75	54.82	59.03	61.93	66.47	58.26
PORCE2	1979	45.68	44.1	42.6	51.76	106.17	89.01	50.09	50.97	60.63	86.24	97.38	62.4
PORCE2	1980	48.59	39.01	39.08	37.52	47.52	46.3	43.54	49.65	51.45	115.89	96.15	65.48
PORCE2	1981	40.11	42.26	41.58	66.42	129.24	125.37	105.94	76.53	89.76	111.03	74.52	47.96
PORCE2	1982	59.07	61.73	56.92	106.59	138.18	91.5	68.84	65.2	79.98	109.86	88.57	69.92
PORCE2	1983	48.81	36.58	36.86	65.07	82.11	60.65	65.98	55.44	83.87	76.07	73.64	69.31
PORCE2	1984	55.92	48.37	36.26	42.07	86.97	102.26	99.31	92.05	128.49	151.27	135.28	71.68
PORCE2	1985	53.63	45.59	44.13	46.92	78.81	55.34	50.68	86	111.62	95.52	78.62	62.05
PORCE2	1986	52.41	52.83	47.42	79.59	87.53	82.13	56.46	70.61	63.85	117.85	85.87	63.44
PORCE2	1987	46.37	41.31	42.79	57.3	84.71	55.46	81.31	72.58	92.72	120.63	86.97	72.67
PORCE2	1988	47.8	46.13	38.88	51.45	65.27	71.59	74.69	127.96	170.65	144.57	158.16	97.93
PORCE2	1989	83.47	65.4	68.89	66.3	89.11	96.3	64.95	94.94	148.48	125.15	96.39	70.78
PORCE2	1990	50.26	47.39	40.71	62.56	77.98	81.09	68.56	52.9	79.61	149.41	104.9	70.7
PORCE2	1991	45.09	39.76	43.92	52.48	74.8	71.2	67.46	43.37	43.58	73.77	79.15	61.6
PORCE2	1992	39.81	35.98	27.22	35.9	53	42.9	43.71	56.57	78.72	64.59	55.47	56.91
PORCE2	1993	46.1	37.33	41.83	56.46	82.43	47.65	63.71	63.3	110.22	99.94	116.37	97.29
PORCE2	1994	57.78	51.74	35.61	80.12	86.26	67.14	58.81	75.4	80.31	93.68	118.1	67.92
PORCE2	1995	44.13	38.93	42.7	52.5	77.12	91.49	95.6	146.7	103.83	125.72	84.43	80.52
PORCE2	1996	63.88	67.24	85.77	91.33	137.29	120.64	102.04	110.21	97.23	121	93.46	62.82
PORCE2	1997	60.03	62.12	51.95	71.63	57.03	102.19	45.32	36.85	55.29	50.83	59.54	38.7
PORCE2	1998	28.69	29.02	31.31	48.9	85.38	68.09	98.46	80.03	126.09	105.7	94.2	103.86
PORCE2	1999	72.59	100.24	92.9	97.11	132.43	143.11	108.58	78.66	122.59	169.05	137.06	99.32
PORCE2	2000	72.59	65.85	63.5	66.72	124.45	136.43	123.59	118.2	161.1	125.32	82.45	72
PORCE2	2001	59.3	49.48	59.08	56.97	77.57	78.14	84.72	53.33	82.9	93.49	85.91	78.76
PORCE2	2002	49.39	34.42	42.39	81.9	86.06	93.96	62.86	54.01	65.24	68.09	72.88	60.43
PORCE2	2003	42.17	43.19	46.52	75.41	96.44	121.34	71.19	76.53	81.65	111.05	106.96	84.11
PORCE2	2004	63.08	53.88	58.47	75.13	103.79	77.27	107.05	76.54	117.79	142.65	152.06	81.52
PORCE2	2005	64.78	50.37	50.23	68.96	109.04	104.8	82.64	65.63	76.39	124.91	134.71	75.93
PORCE2	2006	64.19	56.6	73.92	113.06	148.69	131.37	68.09	74.26	97.81	101.17	143.57	92.31
PORCE2	2007	66.5	51.49	58.4	101.03	159.85	111.93	91.91	116.29	114.67	180.47	122.38	90.68
PORCE2	2008	67.51	80	86.84	96.17	148.75	171.84	176.76	165.83	141.91	169.1	154.48	94.52
PORCE2	2009	84.31	82.36	97.1	101.72	113.57	121.38	94.75	89.54	71.7	82.42	96.73	57.99
PORCE2	2010	43.92	40.11	40.11	66.7	97.2	130.77	146.61	135.51	200.4	174.77	189.24	129.63
QUEBRADONA	1942	0.24	0.25	0.37	0.67	0.8	0.55	0.44	0.52	0.46	0.78	0.77	0.54
QUEBRADONA	1943	0.51	0.43	0.45	0.94	0.72	0.59	0.42	0.45	0.42	0.81	0.63	0.41
QUEBRADONA	1944	0.31	0.31	0.32	0.32	0.85	0.93	0.46	0.43	0.58	0.76	0.58	0.36
QUEBRADONA	1945	0.29	0.21	0.27	0.51	0.8	0.41	0.44	0.62	0.42	0.59	0.58	0.6
QUEBRADONA	1946	0.54	0.32	0.42	0.64	0.58	0.37	0.3	0.37	0.36	0.47	0.47	0.48
QUEBRADONA	1947	0.35	0.26	0.22	0.29	0.45	0.5	0.53	0.42	0.52	0.68	0.46	0.34
QUEBRADONA	1948	0.25	0.22	0.24	0.51	0.57	0.51	0.64	0.36	0.33	0.36	0.62	0.35
QUEBRADONA	1949	0.2	0.22	0.29	0.36	0.47	0.39	0.58	0.45	0.42	0.66	0.6	0.47
QUEBRADONA	1950	0.27	0.32	0.35	0.32	0.55	0.86	0.58	0.88	0.51	0.7	0.6	0.62
QUEBRADONA	1951	0.42	0.51	0.4	0.5	0.52	0.41	0.5	0.42	0.43	0.41	0.48	0.35
QUEBRADONA	1952	0.28	0.24	0.28	0.38	0.44	0.4	0.45	0.7	0.67	0.57	0.71	0.36
QUEBRADONA	1953	0.24	0.23	0.2	0.3	0.52	0.38	0.28	0.23	0.33	0.53	0.67	0.49
QUEBRADONA	1954	0.23	0.26	0.21	0.4	0.48	0.6	0.76	0.56	0.44	0.77	0.68	0.56
QUEBRADONA	1955	0.37	0.34	0.42	0.56	0.64	0.68	0.57	0.57	0.67	0.88	0.84	0.75
QUEBRADONA	1956	0.61	0.78	0.55	0.65	0.8	0.81	0.63	0.71	0.66	0.96	0.64	0.59
QUEBRADONA	1957	0.36	0.36	0.29	0.54	0.65	0.45	0.41	0.46	0.5	0.66	0.57	0.35
QUEBRADONA	1958	0.27	0.21	0.27	0.29	0.5	0.32	0.21	0.38	0.23	0.4	0.37	0.38
QUEBRADONA	1959	0.2	0.16	0.22	0.32	0.39	0.41	0.41	0.39	0.51	0.57	0.6	0.32
QUEBRADONA	1960	0.3	0.28	0.28	0.49	0.5	0.42	0.49	0.46	0.56	0.57	0.56	0.5
QUEBRADONA	1961	0.27	0.28	0.3	0.47	0.35	0.47	0.43	0.34	0.48	0.48	0.72	0.39
QUEBRADONA	1962	0.3	0.26	0.34	0.42	0.78	0.58	0.47	0.57	0.56	0.67	0.63	0.43
QUEBRADONA	1963	0.31	0.37	0.39	0.71	0.74	0.49	0.58	0.51	0.45	0.61	0.73	0.4
QUEBRADONA	1964	0.29	0.31	0.27	0.54	0.44	0.61	0.57	0.54	0.63	0.59	0.64	0.43
QUEBRADONA	1965	0.33	0.26	0.22	0.39	0.48	0.37	0.29	0.4	0.5	0.62	0.72	0.47
QUEBRADONA	1966	0.39	0.23	0.26	0.32	0.4	0.52	0.39	0.46	0.48	0.68	0.68	0.57
QUEBRADONA	1967	0.34	0.4	0.37	0.49	0.62	0.77	0.6	0.44	0.47	0.48	0.57	0.34
QUEBRADONA	1968	0.27	0.28	0.26	0.47	0.56	0.64	0.58	0.47	0.65	0.74	0.68	0.45
QUEBRADONA	1969	0.33	0.25	0.2	0.46	0.46	0.41	0.19	0.51	0.54	0.59	0.63	0.43
QUEBRADONA	1970	0.35	0.3	0.25	0.46	0.71	0.54	0.43	0.47	0.68	0.96	0.98	0.67
QUEBRADONA	1971	0.66	0.65	0.79	0.74	1.08	0.81	0.84	0.93	0.85	0.93	0.85	0.52
QUEBRADONA	1972	0.47	0.4	0.43	0.57	0.87	0.64	0.49	0.5	0.44	0.57	0.58	0.39
QUEBRADONA	1973	0.27	0.19	0.22	0.33	0.48	0.5	0.42	0.46	0.73	0.73	0.69	0.71
QUEBRADONA	1974	0.55	0.53	0.48	0.56	0.6	0.47	0.52	0.62	0.87	0.95	0.85	0.45
QUEBRADONA	1975	0.31	0.39	0.49	0.35	0.53	0.57	0.78	0.73	0.88	0.77	0.96	0.82
QUEBRADONA	1976	0.42	0.37	0.47	0.61	0.74	0.61	0.38	0.35	0.35	0.74	0.53	0.31

QUEBRADONA	1977	0.21	0.17	0.18	0.29	0.42	0.49	0.45	0.52	0.41	0.55	0.63	0.32
QUEBRADONA	1978	0.21	0.19	0.32	0.69	0.48	0.6	0.45	0.33	0.44	0.57	0.63	0.48
QUEBRADONA	1979	0.24	0.24	0.32	0.44	0.43	0.49	0.28	0.3	0.48	0.66	0.82	0.42
QUEBRADONA	1980	0.3	0.29	0.21	0.34	0.39	0.5	0.37	0.35	0.4	0.61	0.55	0.45
QUEBRADONA	1981	0.28	0.23	0.34	0.48	0.86	0.73	0.66	0.47	0.64	0.77	0.68	0.52
QUEBRADONA	1982	0.51	0.57	0.51	0.81	0.92	0.6	0.46	0.39	0.42	0.64	0.53	0.48
QUEBRADONA	1983	0.27	0.24	0.34	0.48	0.59	0.35	0.52	0.43	0.53	0.53	0.56	0.59
QUEBRADONA	1984	0.45	0.44	0.28	0.36	0.63	0.64	0.59	0.55	0.72	0.93	0.82	0.52
QUEBRADONA	1985	0.35	0.3	0.37	0.44	0.59	0.43	0.36	0.6	0.78	0.68	0.58	0.44
QUEBRADONA	1986	0.35	0.42	0.36	0.61	0.47	0.57	0.38	0.33	0.34	0.75	0.53	0.34
QUEBRADONA	1987	0.26	0.23	0.21	0.26	0.49	0.24	0.29	0.35	0.48	0.67	0.43	0.36
QUEBRADONA	1988	0.22	0.23	0.16	0.34	0.37	0.41	0.41	0.7	0.73	0.78	0.89	0.7
QUEBRADONA	1989	0.54	0.45	0.44	0.41	0.59	0.5	0.38	0.46	0.62	0.65	0.61	0.39
QUEBRADONA	1990	0.33	0.36	0.35	0.48	0.52	0.41	0.36	0.28	0.39	0.79	0.5	0.35
QUEBRADONA	1991	0.3	0.21	0.35	0.35	0.5	0.4	0.38	0.37	0.3	0.53	0.55	0.44
QUEBRADONA	1992	0.24	0.24	0.28	0.25	0.37	0.28	0.27	0.33	0.4	0.32	0.38	0.45
QUEBRADONA	1993	0.31	0.19	0.24	0.36	0.57	0.25	0.33	0.34	0.58	0.6	0.73	0.61
QUEBRADONA	1994	0.32	0.36	0.49	0.59	0.51	0.51	0.39	0.47	0.42	0.57	0.64	0.34
QUEBRADONA	1995	0.24	0.2	0.24	0.3	0.43	0.48	0.53	0.74	0.58	0.7	0.57	0.61
QUEBRADONA	1996	0.43	0.42	0.68	0.54	0.84	0.85	0.97	0.59	0.52	0.66	0.57	0.39
QUEBRADONA	1997	0.38	0.36	0.31	0.46	0.34	0.44	0.24	0.19	0.22	0.21	0.36	0.21
QUEBRADONA	1998	0.16	0.15	0.18	0.4	0.49	0.45	0.54	0.45	0.7	0.57	0.57	0.61
QUEBRADONA	1999	0.51	0.56	0.7	0.69	0.67	0.69	0.52	0.54	0.81	0.75	0.64	0.68
QUEBRADONA	2000	0.41	0.44	0.42	0.48	0.65	0.67	0.61	0.6	0.8	0.58	0.55	0.4
QUEBRADONA	2001	0.31	0.26	0.39	0.31	0.47	0.53	0.46	0.28	0.42	0.46	0.6	0.47
QUEBRADONA	2002	0.29	0.23	0.28	0.44	0.46	0.57	0.29	0.24	0.22	0.32	0.34	0.39
QUEBRADONA	2003	0.19	0.22	0.25	0.41	0.46	0.56	0.31	0.32	0.37	0.5	0.51	0.45
QUEBRADONA	2004	0.33	0.25	0.24	0.3	0.45	0.36	0.53	0.33	0.51	0.49	0.63	0.41
QUEBRADONA	2005	0.3	0.23	0.2	0.33	0.52	0.44	0.32	0.27	0.32	0.59	0.64	0.4
QUEBRADONA	2006	0.33	0.26	0.38	0.57	0.85	0.65	0.35	0.36	0.48	0.49	0.78	0.51
QUEBRADONA	2007	0.32	0.23	0.31	0.62	0.77	0.73	0.45	0.58	0.57	0.82	0.79	0.54
QUEBRADONA	2008	0.37	0.38	0.45	0.46	0.64	0.8	0.85	0.77	0.7	0.82	0.9	0.49
QUEBRADONA	2009	0.47	0.39	0.64	0.46	0.58	0.53	0.44	0.38	0.29	0.37	0.51	0.27
QUEBRADONA	2010	0.19	0.17	0.16	0.29	0.44	0.64	0.79	0.67	1.01	0.84	1.16	0.9
TENCHE	1955	3.3	2.35	3.29	4.13	6.24	5.96	6.82	5.54	6.04	7.68	7.15	6.03
TENCHE	1956	4.43	4.34	3.7	4.41	6.12	6.66	5.47	7.7	5.31	7.67	8.14	6.33
TENCHE	1957	2.58	2.72	2.02	3.48	4.96	4.89	3.95	3.85	4.37	4.67	4.26	4.19
TENCHE	1958	1.93	1.64	1.85	1.83	4.06	2.59	2.43	3.78	2.29	2.94	2.59	2.09
TENCHE	1959	1.56	1.22	1.43	1.85	3.13	4.75	4.91	4.28	5.58	5.57	5.48	3.04
TENCHE	1960	2.48	2.1	1.74	3.46	3.87	5.5	4.91	5.44	7.04	5.5	4.88	5.55
TENCHE	1961	2.35	1.88	1.85	3.6	3.25	6.17	6.11	4.49	6.46	5.14	5.82	3.74
TENCHE	1962	2.6	2.2	2.49	2.65	5.76	5.17	5.1	6	6.64	5.3	5.12	3.46
TENCHE	1963	2.95	3.08	3.56	4.88	5.28	4.68	7.73	5.77	5.33	5.45	5.42	3.15
TENCHE	1964	2.82	2.75	2.9	4.54	4.02	4.11	6.43	5.14	6.19	5.63	4.84	3.65
TENCHE	1965	3.12	2.74	2.91	3.51	5.07	4.28	4.02	4.7	6.1	5.4	4.93	3.61
TENCHE	1966	2.39	1.72	2.14	2.36	3.44	5.73	4.72	5.19	5.11	5.27	4.38	5.6
TENCHE	1967	3.38	2.68	2.13	4.18	6.5	10.48	8.98	5.86	5.11	4.39	3.44	2.42
TENCHE	1968	3.17	2.59	2.37	3.19	3.8	5.4	4.8	5.77	4.64	5.75	4.47	3.43
TENCHE	1969	1.77	2.2	1.91	4.64	4.33	2.86	2.65	6.86	5.96	6.64	6.02	3.08
TENCHE	1970	2.46	2.89	3.22	4.13	5.91	4.8	4.18	4.4	6.17	8.71	7.23	4.82
TENCHE	1971	4.52	4.36	5.1	4.76	6.13	5.69	7.69	8.74	7.33	7.43	5.23	2.55
TENCHE	1972	3.44	2.09	2.17	3.39	8.39	7.7	5.41	6.09	5.94	5.38	4.36	3.46
TENCHE	1973	2.77	3.03	2.63	3.17	3.85	4.06	3.93	4.68	5.39	4.98	5.67	3.87
TENCHE	1974	3.44	2.8	2.88	4.01	6.13	4.44	5.09	6.54	6.65	7	6.73	3.37
TENCHE	1975	2.13	3.09	2.59	2.93	4.02	6.21	6.42	8.16	8.3	8.44	7.02	5.31
TENCHE	1976	2.7	2.67	3.13	4.15	4.93	4.42	3.58	5.28	3.91	4.97	3.78	2.55
TENCHE	1977	2.15	2.53	2.02	2.36	3.31	5.52	4.42	5.83	4.33	4.24	3.31	2.23
TENCHE	1978	2.29	2.64	2.86	4.74	3.54	5.85	5.43	4.22	4.7	4.51	4.92	4.36
TENCHE	1979	2.69	3.08	2.43	3.93	4.55	6.6	2.95	4	3.92	7.32	6.75	3.89
TENCHE	1980	2.85	4.58	4.01	3.68	4.59	6.13	6.1	4.96	3.6	6.27	6.14	3.86
TENCHE	1981	3.35	4.48	4	5.42	8.81	7.18	7.65	5.72	6.37	5.77	4.05	3.65
TENCHE	1982	3.42	4.48	4.2	6	7.26	5.72	5.39	4.56	5.19	5.83	4.24	3.9
TENCHE	1983	2.49	2.79	2.23	3.53	5.4	3.97	7.97	5.68	6.98	6.98	4.76	4.07
TENCHE	1984	3.49	3.62	2.46	3.8	3.97	5.65	4.05	5.32	8.01	6.37	6.85	4.64
TENCHE	1985	3.52	3.63	4.34	3.48	5.44	4.19	5.58	7.32	6.74	4.67	3.36	4.09
TENCHE	1986	3.67	4.04	3.57	3.48	4.75	5.5	3.94	4.1	3.5	5.98	3.04	3.1
TENCHE	1987	2.58	2.58	2.63	4.49	5.06	4.16	5.41	4.06	5.79	6.35	4.58	3.2
TENCHE	1988	2.82	2.97	2.12	2.91	3.48	4.36	4.09	6.19	6.63	5.36	6.08	3.95

TENCHE	1989	3.29	3.21	3.64	3.77	5.18	6.01	5.76	8.72	7.6	8.1	4.83	4.22
TENCHE	1990	2.75	2.84	3.33	3.55	6.39	5.33	5.4	4.03	3.96	7.58	5.72	4.64
TENCHE	1991	2.77	2.76	2.69	3	5.31	4.81	4.94	2.81	3.33	3.74	3.82	2.75
TENCHE	1992	1.75	1.77	1.28	1.78	3.14	2.05	2.14	3.16	4.85	2.96	2.56	2.68
TENCHE	1993	2.18	2.23	2.1	2.88	4.32	3.41	4.68	4.65	6.08	5.16	4.67	4.27
TENCHE	1994	2.44	2.82	3.36	4.6	4.84	6.91	4.35	9.53	7.87	6.6	6.84	3.21
TENCHE	1995	2.43	2.94	3.18	3.8	3.76	4.94	5.5	5.04	4.42	5.36	3.37	3.74
TENCHE	1996	2.68	3.25	3.98	4.6	7.24	6.52	8.07	6.32	5.47	6.1	4.94	2.79
TENCHE	1997	2.29	3.43	3.43	4.35	3.19	4.06	2.54	1.8	3.35	2.21	3.07	1.98
TENCHE	1998	1.66	2.55	1.59	4.74	4.08	6.66	7.66	5.07	5.67	4.27	3.63	4.35
TENCHE	1999	2.96	3.85	3.41	6.06	7.4	8.02	7.76	5.72	5.85	5.97	5.9	3.71
TENCHE	2000	2.36	2.53	2.69	2.94	5.05	6.44	7.04	6.95	6.53	5.31	3.61	3.45
TENCHE	2001	1.96	3.03	3.04	3.63	6.04	8.64	5.54	3.86	6.91	4.28	6.03	4.74
TENCHE	2002	2.13	2.05	3.14	4.47	4.64	5.02	2.67	2.72	3.13	2.87	2.49	3.01
TENCHE	2003	1.28	2.89	2.75	3.96	6.38	5.56	3.96	4.03	4.03	6.51	4.37	5.49
TENCHE	2004	2.92	2.31	2.37	4.44	4.99	3.83	5.63	4.01	4.45	3.79	5.58	2.36
TENCHE	2005	1.7	3.08	2.68	4.4	4.45	5.89	4.14	3.36	4.04	4.72	6.07	2.85
TENCHE	2006	1.87	2.82	4.01	5.33	8.16	6.17	4.37	5.24	5.84	4.95	6.09	3.87
TENCHE	2007	3.13	3.32	3.13	4.67	7.4	5.54	5.94	7.34	6.72	7.81	6.48	3.53
TENCHE	2008	2.98	3.91	3.32	3.39	4.04	5.91	8.58	5.1	7.06	7.17	5.8	3.98
TENCHE	2009	3.29	3.89	4.19	4.08	4.22	7.12	3.87	3.73	3.37	3.19	4.65	2.44
TENCHE	2010	1.79	2.58	3.33	3.65	5.62	4.2	7.91	7.01	9.17	6.46	5.74	4.07

Formato 5. Embalses

NOMBRE	MIN_TECNICO (Mm3)	MAX_TECNICO (Mm3)
PENOL	68.47	1071.69
RIOGRANDE2	47.61	185.44
TRONERAS	8.98	28.92
PLAYAS	19.28	69.57
MIRAFLORES	5.01	100.54
QUEBRADONA	1.33	1.87
PORCE2	47.45	142.71

Formato 6

No reportó información.

Formato 7. Curvas de Operación Embalses

EMBALSE	MES	VOLUMEN_ESPERA (Mn3/s)	CURVA_GUIA_MIN (Mn3/s)	CURVA_GUIA_MAX (Mn3/s)
RIOGRANDE2	1		47.61	
RIOGRANDE2	2		47.61	
RIOGRANDE2	3		47.61	
RIOGRANDE2	4		47.61	
RIOGRANDE2	5		47.61	
RIOGRANDE2	6		47.61	
RIOGRANDE2	7		47.61	
RIOGRANDE2	8		47.61	
RIOGRANDE2	9		47.61	
RIOGRANDE2	10		47.61	
RIOGRANDE2	11		47.61	
RIOGRANDE2	12		47.61	

Formato 8. Capacidad Arcos de Descarga

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)	FECHA_ENTRADA	FECHA_SALIDA
Miraflores-Tenche	0	23.6	01/07/1967	
Tenche-Troneras	0	23.3	01/07/1967	
Troneras-Guadalupe	0	43	01/07/1967	

Nechi-Pajarito	0	5.5	01/12/1990	
Pajarito-Dolores	0	10	01/12/1990	
Dolores-Concepcion	0	16	01/12/1990	
Canal Quebradona	0	31	01/12/1950	
Válvula Riogrande2	0	52.77	01/04/1996	

Formato 9

No reportó información.

Formato 10. Capacidad Máxima Arco Generación

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)
GUATAPE	0	84
PLAYAS	0	130
TRONERAS	0	65
GUADALUPE3	0	60
GUADALUPE4	0	60
RIOGRANDE1	0	31
LATAAJERA	0	39.8
PORCE2	0	203.1

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13. Demanda Acueducto y Riego

NOMBRE	AÑO_T (m3/s)	AÑO_T1 (m3/s)	AÑO_T2 (m3/s)	AÑO_T3 (m3/s)	AÑO_T4 (m3/s)	AÑO_T5 (m3/s)	FACTOR_RECUPERACION
NARE					4.56		85
GRANDE					4.15		85

Formato 14. Suministro Gas Natural

PLANTA	CAMPO	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
TERMOSIERRA GNI	Gas Natural Importado	8784	1908249	1908249	1785136	1908249	1846693	1908249	1846693	1908249	1908249	1846693	1908249	1846693

Formato 15. Transporte Gas Natural

PLANTA	PUNTO_ENTRADA	PUNTO_SALIDA	TRANSPORTE_DIC (MBTU)	TRANSPORTE_ENE (MBTU)	TRANSPORTE_FEB (MBTU)	TRANSPORTE_MAR (MBTU)	TRANSPORTE_ABR (MBTU)	TRANSPORTE_MAY (MBTU)	TRANSPORTE_JUN (MBTU)	TRANSPORTE_JUL (MBTU)	TRANSPORTE_AGO (MBTU)	TRANSPORTE_SEP (MBTU)	TRANSPORTE_OCT (MBTU)	TRANSPORTE_NOV (MBTU)
TERMOSIERRA GNI	Gas Natural Importado	Nare Corregimiento La Sierra brida salida conexion gasoducto troncal con	1908249	1908249	1785136	1908249	1846693	1908249	1846693	1908249	1908249	1846693	1908249	1846693

		ramal que conecta instalacion de EPM												
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Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
TERMOSIERRA ACPM	ACPM	8784	1520090	1520090	1422020	1520090	1471055	1520090	1471055	1520090	1520090	1471055	1520090	1471055

Formato 17

No reportó información.

Formato 18

No reportó información.

Formato 19. Plantas Menores

NOMBRE	CAP_EFECTIVA_NETA (MW)	DISPONIBILIDAD (%)
NIQUIA	19	35
AYURA	18	35
PIEDRAS BLANCAS	5	35
MANANTIALES	3.15	35
PAJARITO	4.9	35
CAMPESTRE	0.87	35
AMERICA	0.41	21.78
BELLO	0.35	35
NUTIBARA	0.75	35
LA VUELTA	11.6	35
LA HERRADURA	19.8	35
JEPIRACHI	18.42	7.44
RIOGRANDE1	19	3.47
AUX.RIOGRANDE	0.3	35
RIO ABAJO	0.9	35
SONSON	18.5	35
TAMESIS	1.2	35
COLTEJER	1.6	0
CEMENTOS NARE	4.5	35
REMEDIOS	0.75	35
SAN JOSE DE LA MONTAÑA	0.4	35
AMALFI	0.81	35

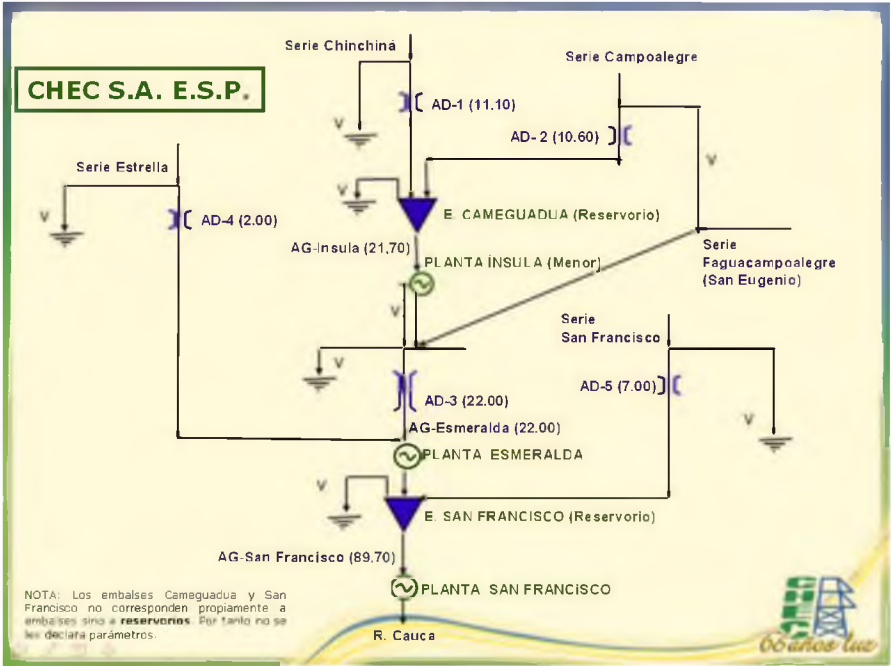
Formato 1. Plantas o Unidades Hidráulicas

NOMBRE	CAP. EFECTIVA NETA (MW)	EFICIENCIA (MW/(m3/s))	IHF (%)
Esmeralda	30	1.3721	8.2346
San Francisco	135	1.5883	73.4619

Formato 2. Topología Plantas Hidráulicas

NOMBRE_SISTEMA	ELEMENTO_CLASE	ELEMENTO_NOMBRE	APORTES_RIO	APORTES_EMBALSE	APORTES_PLANTA	APORTES_OTRO	DESCARGA_RIO	DESCARGA_EMBALSE	DESCARGA_PLANTA	DESCARGA_OTRO	VERTIMIENTO_RIO	VERTIMIENTO_EMBALSE	VERTIMIENTO_PLANTA	VERTIMIENTO_OTRO
CHEC1	AD	AD-1	Chinchina					Cameguadua						Tierra
CHEC1	AD	AD-2	Campoalegre					Cameguadua			Faguacampoalegre (San Eugenio)			
CHEC1	E	Cameguadua				AD-1 y AD-2			Insula					Tierra
CHEC1	P	Insula		Cameguadua						AD-3				AD-3
CHEC1	AD	AD-3	Faguacampoalegre (San Eugenio)		Insula	Vertimiento Planta Insula			Esmeralda					Tierra
CHEC1	AD	AD-4	Quebrada La Estrella						Esmeralda					Tierra
CHEC1	P	Esmeralda				AD-3 y AD-4		San Francisco						
CHEC1	AD	AD-5	San Francisco					San Francisco						Tierra
CHEC1	E	San Francisco			Esmeralda	AD-5			San Francisco					Tierra
CHEC1	P	San Francisco		San Francisco			Cauca							

Formato 2A. Topología Plantas Hidráulicas



Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
Termodorada JETA-1/DIESEL	45.2	9.9801	25.8044
Termodorada GNI	50.66	8.9947	25.8044

Formato 4. Caudal Medio Mensual

RIO	AÑO	CAUDAL_ENERO (m3/s)	CAUDAL_FEBRE RO (m3/s)	CAUDAL_MARZ O (m3/s)	CAUDAL_ABRIL (m3/s)	CAUDAL_MAYO (m3/s)	CAUDAL_JUNIO (m3/s)	CAUDAL_JULIO (m3/s)	CAUDAL_AGOST O (m3/s)	CAUDAL_SEPTIE MBRE (m3/s)	CAUDAL_OCTU BRE (m3/s)	CAUDAL_NOVIE MBRE (m3/s)	CAUDAL_DICIE MBRE (m3/s)
Campoalegre	1979									10.66	11.25	11.45	8.1
Campoalegre	1980	7.12	8.39	5.33	6.41	8.17	9.22	4.38	3.96	4.87	8.45	7.01	6.09
Campoalegre	1981	3.53	4.39	5.34	8.49	11.34	10.16	7.02	3.75	4.69	7.78	9.29	7.65
Campoalegre	1982	10.29	8.57	7.89	14.08	11.12	5.81	4.8	4.47	3.6	7.04	9.35	5.97
Campoalegre	1983	3.81	3.16	4.74	10.77	8.35	7.17	3.85	3.16	3.15	5.18	5.7	7.22
Campoalegre	1984	7.13	7.21	4.75	6.64	10.91	7.8	6.09	8.33	7.39	10.19	10.76	7.7
Campoalegre	1985	7.56	5.21	6.16	7.25	7.48	6.11	4.16	5.27	5.31	8.08	8.05	6.14
Campoalegre	1986	6.53	7.92	7.41	9.01	7.79	7.01	4.91	4.08	4.65	9.64	7.67	5.41
Campoalegre	1987	4.6	4.1	4.43	5.21	7.98	5.79	5.42	5.67	5.53	9.15	7.97	3.82
Campoalegre	1988	3.27	4.17	3.82	6.21	4.97	5.45	6.01	6.28	8.37	8.56	10.85	8.86
Campoalegre	1989	7.3	6.16	7.54	5.91	7.6	5.07	4.3	3.59	4.56	5.93	7.61	6.41
Campoalegre	1990	5.06	5.66	6.24	7.88	7.57	4.54	4.33	3.01	2.62	7.44	6.52	5.48
Campoalegre	1991	5.21	3.46	6.33	7.05	6.17	4.64	3.88	5.93	3.78	5.87	7.25	8.37
Campoalegre	1992	4.26	3.94	3.15	4.06	4.25	3.61	3	3.35	4.27	3.49	5.93	8.37
Campoalegre	1993	5.08	3.76	4.67	5.89	5.56	4.13	3.1	3.24	5.35	6.16	9.32	8.6
Campoalegre	1994	4.56	4.89	5.43	6.41	6.35	4.56	3.92	2.78	3.83	7.06	7.23	4.72
Campoalegre	1995	2.68	2.63	3.81	8.25	6.74	7.04	4.94	5.54	4.37	6.33	5.95	7.38
Campoalegre	1996	6.1	8.24	8.77	6.08	6.48	6.49	6.79	4.76	4.58	7.6	7.12	5.38
Campoalegre	1997	6.58	5.69	5.61	6.11	5.33	6.3	3.42	2.43	3.32	4.35	7.39	3.68
Campoalegre	1998	2.67	3.16	3.65	6.22	6.27	5.17	5.55	4.25	7.85	9.94	10.69	9.8
Campoalegre	1999	7.45	9.44	7.94	8.67	7.47	6.52	5.59	4.8	8.33	9.67	10.38	8.38
Campoalegre	2000	7.01	8.37	8.66	6.56	7.82	10.49	6.9	5.42	9.48	9.09	9.5	6.78
Campoalegre	2001	5	4.74	4.15	5.75	7.27	5.91	4.32	3.47	4.44	6.34	7.54	11.86
Campoalegre	2002	5.68	3.95	7.06	16.44	12.01	12.64	7.46	5.84	6.58	9.21	10.85	10.12
Campoalegre	2003	4.35	6.16	9.62	15.2	13.64	11.42	6.45	8.39	8.12	21.66	13.8	11.11
Campoalegre	2004	17.46	5.3	6.84	18.83	11.05	6.15	4.11	2.53	4.52	5.03	8.24	6.44
Campoalegre	2005	4.99	6.08	4.65	4.94	11.3	8.21	4.09	3.62	3.43	8.67	10.85	6.8
Campoalegre	2006	5.06	4.46	6.93	10.19	10.68	8.61	3.98	3.23	3.31	5.27	8.37	9.61
Campoalegre	2007	5.3	3.51	4.48	6.61	9.43	6.17	4.24	6.05	4.71	14.08	8.42	11.38
Campoalegre	2008	5	5.03	6.15	6.27	11.18	7.07	7.72	7.5	7.79	7.07	15.81	9.65
Campoalegre	2009	6.83	6.56	7.66	7.49	7.17	8.81	3.83	3.9	3.76	4.83	8.05	4.9
Campoalegre	2010	3.96	3.54	3.21	6.38	8.29	8.63	10.45	8.02	8.23	8.93	13.99	12.24
Chinchina	1960				14.18	17.16	15.24	14.97	10.27	9.65	14.33	20.91	27.78
Chinchina	1961	12.95	11.61	12.1	17.44	14.07	14.65	14.19	8.84	9.88	14.35	30.37	13.52
Chinchina	1962	10.83	9.67	11.24	14.21	20.02	17	11.26	9.7	10.2	21.43	20.28	22.37
Chinchina	1963	16.14	19.58	18.58	28.34	27.61	18.78	13.74	11.17	8.87	14.21	27.12	14.22
Chinchina	1964	9.81	9.39	8.51	14.29	13.38	21.22	15.53	13.26	12.58	21.33	19.23	18.14
Chinchina	1965	12.92	11.23	9.61	14.69	20.57	10.7	8.35	7.75	9.22	15.56	25.29	25.73
Chinchina	1966	13.74	12.76	11.5	19.49	24.66	27.51	17	17.82	14.84	21.17	31.35	33.32
Chinchina	1967	14.56	14.29	13.38	18.82	24.53	20.82	12.64	11.58	10.92	17.23	28.92	17.8
Chinchina	1968	12.69	14.19	11.49	18.8	18.69	19.42	13.92	9.32	15.31	18.99	22.95	19.2
Chinchina	1969	26.71	18.04	15.73	49.71	38.03	31.56	19.77	19.23	21.93	56.39	44.07	19.68
Chinchina	1970	18.07	18.3	15.29	25.97	34.5	20.51	15.54	14.95	16.1	33.67	23.44	16.95
Chinchina	1971	22.92	26.54	40.42	35.93	34.15	22.64	22.25	22.92	29.31	36.43	29.01	23.31
Chinchina	1972	17.4	17.39	17.3	28.38	33.34	10.41	11.3	10.66	10.27	10.96	34.58	29.67
Chinchina	1973	25.41	22	24.89	25.94	27.51	30.18	28.97	30.9	42.53	39.19	38.53	42.05
Chinchina	1974	39.08	43.26	44.76	19.35	23.24	18.01	14.68	14.07	17.13	20.18	28.42	15.63
Chinchina	1975	12.36	20.76	15.05	12.76	18.97	17.04	20.73	16.42	17.75	16.95	33.48	42.75
Chinchina	1976	31.18	83.97	33.71	89.03	83.98	65.27	13.25	11.8	13.34	17.81	27.4	12.48
Chinchina	1977	10.41	9.13	11.59	15.1	16.47	14.82	11.75	10.52	11.42	18.66	21.32	11.7
Chinchina	1978	10.84	10.06	12.64	27.43	19.46	17.84	11.25	9.33	10.25	14.15	24.25	22.79
Chinchina	1979	7.68	7.69	9.25	16.25	13.48	18.51	8.74	9.34	14.23	22.28	27.25	21.35
Chinchina	1980	17.17	18.38	25.19	12.96	15.91	17.65	11.02	9.3	10.44	15.97	13.6	16.1
Chinchina	1981	8.49	8.56	12.4	19.83	26.27	24.85	17.94	15.27	17.72	19.33	18.78	15.7
Chinchina	1982	19.61	18.02	18.85	28.43	33.28	21.46	15.78	10.73	12.39	18.24	22.45	18.96
Chinchina	1983	5.32	3.38	10.79	21.76	17.36	15.58	9.71	7.82	8.15	12.18	16.95	22.49

Chinchina	1984	21.8	14.34	11.37	14.5	26.55	21.59	13.98	15.58	19.93	26.1	37.04	18.58
Chinchina	1985	27.42	19.35	14.48	18.17	20.73	14.97	11.46	13.24	15.61	24.76	20.9	25.54
Chinchina	1986	18.16	14	11.34	14.91	18.93	14.06	11.47	15.42	13.99	23.71	20.28	20.35
Chinchina	1987	8.9	8.65	8.19	11.64	17.13	13.16	11.48	13.91	12.38	22.66	19.67	15.16
Chinchina	1988	10.91	10.5	10.93	13.34	13.19	16.62	17.8	15.94	22.09	23.85	27.89	22.87
Chinchina	1989	17.57	17.88	21.97	17.03	21.69	18.29	15.2	14.19	15.7	19.23	22.44	23.01
Chinchina	1990	19.67	22.44	22.48	27.09	25.77	20.86	21.79	16.58	16.47	28.23	21.32	20.3
Chinchina	1991	20.49	19.3	27.82	19.05	8.66	9.87	8.7	8.07	8.92	13.13	17.98	19.28
Chinchina	1992	11.15	11.22	13.95	12.42	13.61	11.9	11.39	10.13	7.24	12.95	18.72	19.92
Chinchina	1993	20.01	11.16	10.03	16.87	29.67	16.67	12.65	13.19	21.82	15.25	14.67	17.75
Chinchina	1994	12.02	13.08	15.15	25.59	29.23	16.3	12.91	9.62	11.77	32.79	10.63	10.68
Chinchina	1995	8.01	9.32	11.23	11.33	14.07	15.53	14.69	16.67	15.11	20.2	22.03	22.45
Chinchina	1996	15.05	14.85	25.33	18.09	17.75	20.93	17.69	14.13	13.7	20.93	17.45	13.14
Chinchina	1997	18.22	13.57	14.79	18.81	7.63	12.31	8.41	7.11	8.82	12.56	12.9	19.03
Chinchina	1998	7.9	9.84	10.92	19.49	24.22	15.91	14.01	12.76	13.55	18.04	26.51	20.7
Chinchina	1999	19.12	25.98	22.72	21.65	23.69	19.07	15.93	13.33	20.83	23.54	34.08	23.42
Chinchina	2000	22.2	15.72	42.5	22.49	19.69	24.13	29.96	31.69	21.39	25.31	27.7	33.44
Chinchina	2001	10.02	8.58	9.99	9.22	6.84	9.28	7.92	6.47	7.88	8.76	10.39	10.61
Chinchina	2002	8.7	7.53	7.99	11.48	10.95	10.55	9.76	7.37	7.93	8.97	9.9	9.08
Chinchina	2003	8.42	8.38	14.35	18.23	9.81	14.14	8.58	9.42	9.01	15.6	15.24	10.13
Chinchina	2004	27.1	20.67	14.24	14.4	16.22	12.92	9.42	7.2	9.51	11.95	19.52	13.49
Chinchina	2005	12.79	14.43	11.76	11.59	18.16	14.89	9.39	8.21	8.35	19.15	20.28	14.86
Chinchina	2006	13.51	9.7	13.4	14.46	19.69	18.07	11.43	10.34	8.2	12.56	16.79	14.74
Chinchina	2007	12.01	8.65	10.91	15.18	23.66	17.11	10.94	11.54	10.71	32.15	29.3	30.56
Chinchina	2008	20.63	16.57	21.7	22.07	26.41	16.55	22.75	15.17	19.19	18.2	42.93	29.51
Chinchina	2009	18.87	16.63	17.64	15.14	14.49	18.29	10.92	11.38	9.19	10.9	16.81	14.48
Chinchina	2010	10.02	7.93	7.64	14.06	18.99	21.88	44.35	19.5	28.45	23.04	33.52	26.15
Estrella	1972			1.77	1.43	2.55	2.66	1.68	1.81	2.17	2.42	3.59	2.39
Estrella	1973	2.08	1.31	1.24	1.38	1.61	2.01	2.16	2.72	3.33	2.65	3.03	2.75
Estrella	1974	3.79	3.99	1.52	2.05	2.3	2.41	1.79	2.2	3	2.83	2.84	2.94
Estrella	1975	2.59	2.96	1.13	1.78	2.1	2.18	1.93	2.49	2.67	3.01	2.81	2.1
Estrella	1976	1.4	1.92	2.35	3.94	1.97	2.81	1.56	1	0.95	1.39	1.83	1.26
Estrella	1977	0.8	0.66	0.7	1.43	2.48	2.71	1.78	3.28	1.66	2.44	2.89	1.51
Estrella	1978	1.27	1.07	1.08	2.26	2.55	2.26	1.99	1.76	1.28	1.46	2.49	2.28
Estrella	1979	1.47	0.94	1.06	1.52	1.96	2.04	1.59	1.22	1.46	1.54	1.82	1.68
Estrella	1980	1.63	1.79	1.33	1.27	1.52	4.6	1.45	1.18	1.4	2.53	2.63	1.99
Estrella	1981	1.41	1.3	1.94	2.45	2.9	3.24	2.82	2.28	1.99	2.58	5.23	2.13
Estrella	1982	2.75	2.56	2.59	2.92	3	2.53	1.39	1.05	0.91	2.22	2.74	2.12
Estrella	1983	1.52	1.34	1.51	2.46	2.69	2.68	1.79	1.39	1.62	1.78	1.99	2.26
Estrella	1984	2.64	2.71	2.2	2.53	2.67	2.47	2.31	2.55	2.31	2.61	2.61	2.14
Estrella	1985	2.17	1.91	1.82	1.89	2.09	2.05	1.9	1.83	1.97	2.06	2.31	1.97
Estrella	1986	1.42	1.5	1.7	1.99	2.23	2.17	1.99	2.18	1.72	2.27	2.32	2.04
Estrella	1987	1.58	1.07	1.02	1.11	1.93	1.84	1.65	2.08	1.68	2.36	2.38	2.05
Estrella	1988	1.51	1.5	1.17	2.1	2.17	2.19	2.28	2.08	2.32	2.25	2.15	2.34
Estrella	1989	2.24	2.05	2.36	2.2	2.37	2.35	2.15	1.74	2.07	2.28	2.25	2.12
Estrella	1990	1.92	1.63	1.8	2.32	1.79	2.3	2.27	1.66	1.43	2.27	2.43	1.79
Estrella	1991	1.8	1.33	1.78	1.94	2.22	2.23	2.64	3.55	3.46	3.22	3.34	2.39
Estrella	1992	1.74	2.01	1.68	1.89	1.75	1.76	1.37	1.41	1.96	2.01	2.07	2.62
Estrella	1993	2.1	1.92	2.15	2.32	5.05	2.31	2.21	1.87	2.31	2.53	2.66	2.74
Estrella	1994	2.41	1.89	2.43	2.54	2.38	1.99	1.94	1.55	1.58	2.28	2.56	2.37
Estrella	1995	1.45	1.16	1.05	2.04	2.43	2.58	2.44	2.21	1.96	2.57	2.38	6.06
Estrella	1996	2.57	3.38	6.29	4.21	3.5	4.42	5.89	1.94	1.71	2.2	2.97	1.96
Estrella	1997	2.1	2.23	2.16	1.95	1.84	2.49	1.22	0.71	0.67	0.84	1.81	1.04
Estrella	1998	0.77	0.61	0.67	1.62	1.62	2.29	3.23	2.33	2.33	2.07	2.72	2.19
Estrella	1999	1.5	1.65	1.66	1.51	1.6	1.43	1.4	1.13	1.42	1.58	1.53	1.57
Estrella	2000	1.19	1.23	1.49	1.56	1.5	1.61	1.5	1.32	1.43	1.42	0.96	0.91
Estrella	2001	1.5	1.21	1.93	1.61	2.65	2.5	1.36	1.27	1.32	1.57	2.03	2.58
Estrella	2002	1.49	0.97	1.13	1.39	1.78	1.75	1.51	0.9	1.13	1.4	2.18	1.9
Estrella	2003	1	1.31	1.35	2.19	2.4	2.33	1.46	4.94	0.99	2.2	2.4	1.27
Estrella	2004	1.2	0.95	0.86	1.6	2.34	1.22	1.19	0.85	1.52	1.44	2.27	2.11
Estrella	2005	1.94	2.06	2.18	2.16	4.18	5.45	1.58	1.12	1.12	1.83	3.14	2.09
Estrella	2006	1.88	1.65	1.95	3.73	5.57	3.35	1.38	1.07	1.28	2.03	2.58	2.72
Estrella	2007	1.38	0.91	1.24	1.96	2.05	1.85	1.46	2.97	2.74	3.43	2.59	2.74
Estrella	2008	1.88	1.84	2.06	2.57	3.89	3.64	3.76	2.56	2.53	2.19	4.33	3.21
Estrella	2009	2.43	1.93	3.09	2.86	2.74	2.79	1.58	1.7	1.32	1.35	1.76	2.13
Estrella	2010	1.24	0.92	0.92	1.38	2.65	2.79	4.26	4.2	2.92	2.48	5.65	4.69
Faguacampoalegre (San Eugenio)	1979									14.08	14.85	15.12	10.69
Faguacampoalegre	1980	9.4	11.08	7.05	8.46	10.79	12.18	5.78	5.23	6.43	11.16	9.25	8.05

re (San Eugenio)													
Faguacampoalegre (San Eugenio)	1981	4.67	5.8	7.05	11.21	14.97	13.42	9.28	4.95	6.2	10.27	12.27	10.1
Faguacampoalegre (San Eugenio)	1982	13.59	11.32	10.42	18.59	14.68	7.67	6.33	5.9	4.75	9.29	12.35	7.89
Faguacampoalegre (San Eugenio)	1983	5.04	4.18	6.26	14.23	11.03	9.47	5.08	4.17	4.15	6.84	7.52	9.54
Faguacampoalegre (San Eugenio)	1984	9.41	9.52	6.28	8.77	14.41	10.29	8.04	11.01	9.76	13.46	14.21	10.17
Faguacampoalegre (San Eugenio)	1985	9.98	6.88	8.13	9.57	9.87	8.07	5.49	6.96	7.02	10.67	10.63	8.11
Faguacampoalegre (San Eugenio)	1986	8.62	10.46	9.79	11.9	10.29	9.26	6.48	5.39	6.15	12.73	10.13	7.15
Faguacampoalegre (San Eugenio)	1987	6.07	5.42	5.85	6.88	10.54	7.64	7.16	7.49	7.3	12.08	10.53	5.04
Faguacampoalegre (San Eugenio)	1988	4.32	5.5	5.05	8.2	6.57	7.2	7.94	8.3	11.05	11.31	14.33	11.7
Faguacampoalegre (San Eugenio)	1989	9.64	8.14	9.96	7.8	10.03	6.7	5.68	4.74	6.03	7.83	10.05	8.47
Faguacampoalegre (San Eugenio)	1990	6.68	7.47	8.24	10.41	10	6	5.72	3.98	3.46	9.82	8.61	7.24
Faguacampoalegre (San Eugenio)	1991	6.89	4.57	8.36	9.31	8.15	6.12	5.12	7.83	4.99	7.75	9.58	11.06
Faguacampoalegre (San Eugenio)	1992	5.63	5.2	4.16	5.36	5.61	4.76	3.96	4.42	5.64	4.61	7.84	11.05
Faguacampoalegre (San Eugenio)	1993	6.71	4.97	6.17	7.77	7.34	5.45	4.09	4.28	7.07	8.13	12.31	11.36
Faguacampoalegre (San Eugenio)	1994	6.03	6.46	7.18	8.46	8.39	6.02	5.18	3.67	5.06	9.33	9.55	6.24
Faguacampoalegre (San Eugenio)	1995	3.54	3.47	5.03	10.89	8.9	9.3	6.52	7.32	5.76	8.36	7.86	9.75
Faguacampoalegre (San Eugenio)	1996	8.06	10.89	11.58	8.02	8.56	8.57	8.96	6.29	6.04	10.04	9.41	7.11
Faguacampoalegre (San Eugenio)	1997	8.69	7.51	7.41	8.07	7.04	8.32	4.52	3.21	4.38	5.74	9.76	4.87
Faguacampoalegre (San Eugenio)	1998	3.52	4.17	4.83	8.21	8.28	6.82	7.32	5.62	10.37	13.13	14.12	12.95
Faguacampoalegre (San Eugenio)	1999	9.84	12.47	10.49	11.45	9.86	8.61	7.38	6.34	11	12.77	13.7	11.06
Faguacampoalegre (San Eugenio)	2000	9.25	11.05	11.43	8.66	10.32	13.85	9.12	7.16	12.52	12	12.54	8.95
Faguacampoalegre (San Eugenio)	2001	6.61	6.26	5.47	7.6	9.6	7.8	5.7	4.58	5.87	8.38	9.96	15.67
Faguacampoalegre (San Eugenio)	2002	7.5	5.21	9.32	21.72	15.87	16.69	9.85	7.71	8.68	12.17	14.32	13.36
Faguacampoalegre (San Eugenio)	2003	5.74	8.13	12.71	20.08	18.02	15.07	8.51	11.08	10.72	28.6	18.22	14.67
Faguacampoalegre (San Eugenio)	2004	23.06	7.01	9.04	36.62	18.08	8.12	5.42	2.58	5.96	5.09	10.88	8.08
Faguacampoalegre (San Eugenio)	2005	5.82	5.75	6.53	6.19	14.93	10.85	5.41	3.25	3.58	11.46	14.32	7.31
Faguacampoalegre (San Eugenio)	2006	6.68	5.88	7.32	13.46	14.1	11.37	4.43	4.27	4.38	6.95	11.05	12.7
Faguacampoalegre (San Eugenio)	2007	6.99	4.64	5.91	8.73	12.46	8.14	5.61	7.98	6.21	18.59	11.13	15.04
Faguacampoalegre (San Eugenio)	2008	6.61	6.64	8.12	8.27	14.77	9.34	10.2	9.9	10.28	9.34	20.88	12.75
Faguacampoalegre (San Eugenio)	2009	9.01	8.66	10.12	9.9	9.46	11.64	5.05	5.16	4.96	6.38	10.63	6.47
Faguacampoalegre (San Eugenio)	2010	5.23	4.67	4.25	8.43	10.94	11.39	13.8	10.59	10.87	11.79	18.48	16.16
San Francisco	1980	2.45	1.18	1.43	2.31	5.38	7.13	2.11	2.63	3.1	4.27	5.55	4.13
San Francisco	1981	2.58	2.23	2.67	3.83	4.99	5.07	3.37	1.86	3.06	2.79	3.36	3.31
San Francisco	1982	3.8	1.58	1.45	3.96	9.35	3.98	1.52	1.37	1.53	3.88	3.35	3.98
San Francisco	1983	2.53	2.2	2.35	9.3	6.74	2.69	1.9	1.7	1.99	2.7	2.63	4.5
San Francisco	1984	4.59	4.3	2.11	2.75	4.71	3.3	2.78	4.55	3.88	1.77	1.62	2.81
San Francisco	1985	1.85	1.7	2.21	2.89	4.69	3.48	1.7	1.92	1.83	2.14	2.23	3.56
San Francisco	1986	2.5	2.34	2.76	4.09	3.13	3.24	2.31	1.99	1.95	2.73	3.23	2.08
San Francisco	1987	2.39	1.82	1.74	1.9	4.04	2.44	3.08	4.34	2.54	4.13	3.69	1.87
San Francisco	1988	1.67	1.79	1.27	2.52	4.7	5.14	5.83	4.32	4.14	4.66	6.04	5.04

San Francisco	1989	5.72	4.72	4.76	3.33	3.73	4.27	2.53	2.2	2.52	3.17	3.04	2.68
San Francisco	1990	2.5	1.56	1.62	4.47	5.28	4.28	3.74	2.17	1.95	3.81	3.67	2.92
San Francisco	1991	2.93	2.29	2.73	2.72	5.14	4.96	2.98	2.26	2.99	2.53	3.25	3.01
San Francisco	1992	2.99	2.24	1.99	1.68	1.32	2.16	1.9	1.64	1.93	1.56	2.01	2.39
San Francisco	1993	1.41	1.01	1.81	2.11	4.55	3.57	3.79	2.58	2.04	3.38	3.73	2.8
San Francisco	1994	3.3	2.68	2.87	4.56	4.12	2.85	2.53	1.97	2.34	3.36	4.71	3.14
San Francisco	1995	1.79	1.67	1.79	4.33	8.25	5.99	5.57	5.4	7.52	5.33	5.81	6.8
San Francisco	1996	3.08	4.5	5.46	3.53	3.84	4.1	5.6	2.65	2.64	3.97	3.12	3.2
San Francisco	1997	3.19	3.99	3.05	3.33	2.97	4.09	2.13	1.33	1.34	1.35	3.71	2.25
San Francisco	1998	1	1.12	0.94	2.38	3.48	3.62	5	6.11	7.3	5.1	5.13	3.81
San Francisco	1999	3.16	4.69	4.47	4.67	3.93	2.69	2.25	1.98	4.39	5.26	5.36	6.26
San Francisco	2000	2.6	3	4.82	4.77	4.72	0.38	4.16	2.51	2.12	1.83	3.08	1.65
San Francisco	2001	3.21	2.53	4.5	4.7	5.53	4.74	3.22	2.82	3.12	3.3	3.73	5.56
San Francisco	2002	2.45	1.45	1.75	3.09	3.72	3.02	2.81	1.72	1.45	2.68	7.96	7.95
San Francisco	2003	3.61	3.59	2.84	4.19	5.95	4.68	2.48	2.11	1.58	4.27	4.21	1.75
San Francisco	2004	1.68	0.97	1.08	3.46	4.67	1.8	1.84	1.37	2.34	2.82	3.48	2.93
San Francisco	2005	3.57	2.56	3.67	3.42	5.43	6.53	3.41	2.45	2.15	3.86	6.44	3.92
San Francisco	2006	3.11	2.26	4.83	5.9	7.41	6.52	3.98	3.35	3.33	3.66	4.64	6.53
San Francisco	2007	3.4	1.99	2.82	5.15	4.22	3.49	3.09	4.53	4.96	5.01	4.81	5.21
San Francisco	2008	4.25	3.22	3.43	4.81	6.76	5.86	6.14	5.54	5.07	3.94	6.88	6.71
San Francisco	2009	3.94	3.91	5.82	5.75	5.71	5.99	4.67	4.81	3.36	3.49	3.65	3.98
San Francisco	2010	1.97	1.36	1.49	3	5.1	4.51	8.59	6.53	4.95	4.59	10.02	7.35

Formato 5

No reportó información.

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8. Capacidad Arcos de Descarga

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)	FECHA_ENTRADA	FECHA_SALIDA
AD-1	0	11.1	01/04/1960	01/12/2100
AD-2	0	10.6	01/09/1979	01/12/2100
AD-3	0	22	01/09/1979	01/12/2100
AD-4	0	2	01/03/1972	01/12/2100
AD-5	0	7	01/01/1980	01/12/2100

Formato 9

No reportó información.

Formato 10. Capacidad Máxima Arco Generación

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)
AG-Esmeralda	0	22
AG-Insula	0	21.7

AG-San Francisco	0	89.7
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Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14. Suministro Gas Natural

PLANTA	CAMPO	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
Termodorada GNI	IMPORTACIÓN	8784	310000	310000	290000	310000	300000	310000	300000	310000	310000	300000	310000	300000

Formato 15. Transporte Gas Natural

PLANTA	PUNTO_ENTRADA	PUNTO_SALIDA	TRANSPORTE_DIC (MBTU)	TRANSPORTE_ENE (MBTU)	TRANSPORTE_FEB (MBTU)	TRANSPORTE_MAR (MBTU)	TRANSPORTE_ABR (MBTU)	TRANSPORTE_MAY (MBTU)	TRANSPORTE_JUN (MBTU)	TRANSPORTE_JUL (MBTU)	TRANSPORTE_AGO (MBTU)	TRANSPORTE_SEP (MBTU)	TRANSPORTE_OCT (MBTU)	TRANSPORTE_NOV (MBTU)
Termodorada GNI	ESTACIÓN DE IMPORTACIÓN	LA DORADA	310000	310000	290000	310000	300000	310000	300000	310000	310000	300000	310000	300000

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
Termodorada	JET A-1/DIESEL	8784	384054.54	384054.54	359276.83	384054.54	371665.69	384054.54	371665.69	384054.54	384054.54	371665.69	384054.54	371665.69

Formato 17

No reportó información.

Formato 18

No reportó información.

Formato 19. Plantas Menores

NOMBRE	CAP_EFECTIVA_NETA (MW)	DISPONIBILIDAD (%)
Guacaíca	0.86	35

Insula	19	35
Intermedia	0.96	35
Municipal	1.4	35
Sancancio	2	35

Formato 1

No reportó información.

Formato 2

No reportó información.

Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
TCD1FOIL	154	10.5506	7.4832
TCD2FOIL	155	10.5016	3.6486
TCD1GAS	157	10.4868	7.4832
TCD2GAS	157	10.4914	3.6486

Formato 4

No reportó información.

Formato 5

No reportó información.

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10

No reportó información.

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14. Suministro Gas Natural

PLANTA	CAMPO	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
TCD1GAS	IMPORTACION	8784	1180621.21	1180621.21	1104452.1	1180621.21	1142536.65	1180621.21	1142536.65	1180621.21	1180621.21	1142536.65	1180621.21	1142536.65
TCD2GAS	IMPORTACION	8784	1109352.26	1109352.26	1037781.15	1109352.26	1073566.71	1109352.26	1073566.71	1109352.26	1109352.26	1073566.71	1109352.26	1073566.71

Formato 15. Transporte Gas Natural

PLANTA	PUNTO_ENTRADA	PUNTO_SALIDA	TRANSPORTE_DIC (MBTU)	TRANSPORTE_ENE (MBTU)	TRANSPORTE_FEB (MBTU)	TRANSPORTE_MAR (MBTU)	TRANSPORTE_ABR (MBTU)	TRANSPORTE_MAY (MBTU)	TRANSPORTE_JUN (MBTU)	TRANSPORTE_JUL (MBTU)	TRANSPORTE_AGO (MBTU)	TRANSPORTE_SEP (MBTU)	TRANSPORTE_OCT (MBTU)	TRANSPORTE_NOV (MBTU)
TCD1GAS	IMPORTACION	PLANTA MAMONAL	1180621.21	1180621.21	1104452.1	1180621.21	1142536.65	1180621.21	1142536.65	1180621.21	1180621.21	1142536.65	1180621.21	1142536.65
TCD2GAS	IMPORTACION	PLANTA MAMONAL	1109352.26	1109352.26	1037781.15	1109352.26	1073566.71	1109352.26	1073566.71	1109352.26	1109352.26	1073566.71	1109352.26	1073566.71

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
TCD1FOIL	FUEL OIL 2	8784	1187803.91	1187803.91	1111171.4	1187803.91	1149487.66	1187803.91	1149487.66	1187803.91	1187803.91	1149487.66	1187803.91	1149487.66
TCD2FOIL	FUEL OIL 2	8784	1110430.8	1110430.8	1038790.11	1110430.8	1074610.46	1110430.8	1074610.46	1110430.8	1110430.8	1074610.46	1110430.8	1074610.46

Formato 17. Almacenamiento Combustible

PLANTA	COMBUSTIBLE	CAP_ALMACENAMIENTO	CANT_ALMACENADA (MBTU)
TCD1FOIL	FUEL OIL 2	660000	0
TCD2FOIL	FUEL OIL 2	660000	0

Formato 18. Energía contratada

PLANTA	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
TCD1FOIL	0	0	0	0	0	0	0	0	0	0	0	0
TCD2FOIL	0	0	0	0	0	0	0	0	0	0	0	0
TCD1GAS	0	0	0	0	0	0	0	0	0	0	0	0
TCD2GAS	0	0	0	0	0	0	0	0	0	0	0	0

Formato 19

No reportó información.

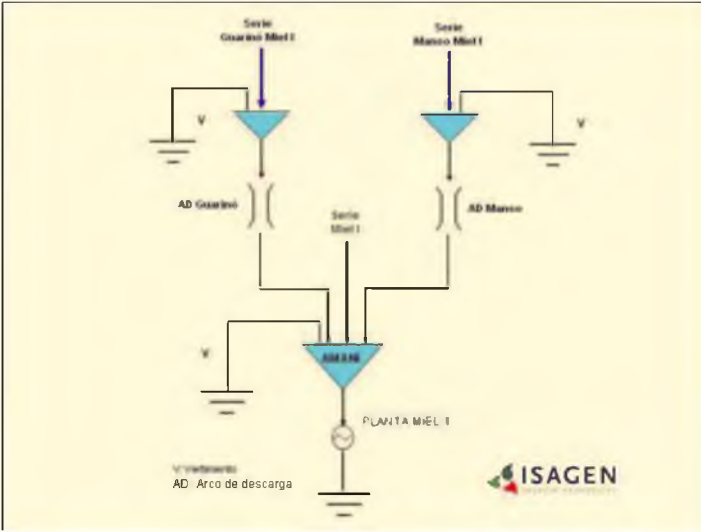
Formato 1. Plantas o Unidades Hidráulicas

NOMBRE	CAP. EFECTIVA NETA (MW)	EFICIENCIA (MW/(m3/s))	IHE (%)
San Carlos	1240	5.5122	11.1297
Jaguas	170	2.6012	16.8729
Miel I	396	1.9033	13.336

Formato 2. Topología Plantas Hidráulicas

NOMBRE_SISTEMA	ELEMENTO_CLASE	ELEMENTO_NOMBRE	APORTES_RIO	APORTES_EMBALSE	APORTES_PLANTA	APORTES_OTRO	DESCARGA_RIO	DESCARGA_EMBALSE	DESCARGA_PLANTA	DESCARGA_OTRO	VERTIMIENTO_S_RIO	VERTIMIENTO_S_EMBALSE	VERTIMIENTO_S_PLANTA	VERTIMIENTO_S_OTRO
San Carlos	E	Punchina	Serie San Carlos+Menor Calderas	Vertimiento de Playas	Playas				San Carlos					Tierra
San Carlos	P	San Carlos		Punchina			Tierra							
Jaguas	E	San Lorenzo	Serie San Lorenzo	Vertimiento del Penol					Jaguas					Tierra
Jaguas	P	Jaguas		San Lorenzo				Playas						
Miel I	E	Guarino	Serie Guarino Miel I							AD Guarino				Tierra
Miel I	AD	Guarino		Guarino				Amani						
Miel I	E	Manso	Serie Manso Miel I							AD Manso				Tierra
Miel I	AD	Manso		Manso				Amani						
Miel I	E	Amani	Serie Miel I			AD Guarino+AD Manso			Miel I					Tierra
Miel I	P	Miel I		Amani			La Miel (Tierra)							

Formato 2A. Topología Plantas Hidráulicas



Menor Calderas	1975	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1976	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1977	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1978	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1979	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1980	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1981	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1982	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1983	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1984	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1985	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1986	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1987	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1988	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1989	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1990	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1991	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1992	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1993	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1994	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1995	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1996	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1997	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1998	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	1999	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	2000	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	2001	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	2002	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	2003	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	2004	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	2005	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	2006	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	2007	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	2008	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	2009	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Menor Calderas	2010	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
Serie Guarino Miel I	1980	5.89	5.41	3.46	9.44	13.4	10.13	0	0	2.39	27.51	50.76	24.24
Serie Guarino Miel I	1981	4.38	22.89	12.36	45.02	61.05	39.97	19.66	19.4	31.15	27.11	52.63	21.45
Serie Guarino Miel I	1982	6.42	12.7	13.55	55.8	68.47	25.27	3.48	0	1.76	21.43	19.48	4.83
Serie Guarino Miel I	1983	0	7.34	19.07	70.57	32.34	14.29	4.49	1.84	15.46	30.6	38.26	58.83
Serie Guarino Miel I	1984	23.78	59.4	55.36	96.71	122.62	49.13	32.43	10.67	52.07	47.26	55.76	17.35
Serie Guarino Miel I	1985	10.94	6.67	9.59	21.38	16.34	15.5	0.83	0	0	4.16	9.61	11.14
Serie Guarino Miel I	1986	7.15	4.51	5.77	41.56	21.89	63.85	5.61	6.19	1.51	24.75	24.87	17.75
Serie Guarino Miel I	1987	0.88	0	0	4.23	11.01	9.56	12.23	15.11	11.61	40.54	48.46	27.02
Serie Guarino Miel I	1988	8.25	4.13	3.98	33.63	26.87	19.75	3.56	18.67	35.99	56.05	50.54	53.6
Serie Guarino Miel I	1989	48.41	30.09	42.33	43.54	48.78	28.63	10.57	7.75	29.68	44.88	37.43	22.05
Serie Guarino Miel I	1990	2.68	2.33	0.79	17.79	16.23	7.77	0.09	0	0	34.15	24.7	24.3
Serie Guarino Miel I	1991	3.23	2.66	6.61	15	23.42	14.44	1.21	0	0	12.08	12.42	18.15
Serie Guarino Miel I	1992	1.49	0	0	10.1	20.05	9.71	0	0	0	4.56	7.06	13.67
Serie Guarino Miel I	1993	0	4.46	10.84	27.46	31.37	14.07	0	0	10.91	14.72	23.83	18.31
Serie Guarino Miel I	1994	7.14	11.3	21.36	29.64	32.95	16.9	0.68	0	0	10.68	19.85	12.65
Serie Guarino Miel I	1995	0	0	5.67	24.44	34.36	31.84	11.34	20.55	9.07	20.84	23.65	27.84
Serie Guarino Miel I	1996	11.83	8.87	23.11	17.45	44.76	32.57	20.18	8.93	7.97	29.65	22.38	26.01

Serie Guarino Miel I	1997	23.29	36.33	24.92	37.65	31.63	35.05	12.14	15.27	29.88	28.7	31.01	13.55
Serie Guarino Miel I	1998	1.74	3.73	11.22	26.85	26.71	9.46	12.7	18.66	9.34	49.63	42.95	34.83
Serie Guarino Miel I	1999	26.22	51.89	50.38	47.03	54.01	40.98	6.65	4.73	28.4	60.62	49.12	70.02
Serie Guarino Miel I	2000	14.52	22.89	38.83	25.04	41.99	31.34	9.6	9.8	45.35	50.12	36.73	21.53
Serie Guarino Miel I	2001	24.42	10.42	21.13	20.88	36.82	24.94	8.69	0.06	25.72	27.49	34.81	37.08
Serie Guarino Miel I	2002	9.8	11.31	9.68	39.42	33.48	35.64	4.57	1.86	12.73	34.44	29.92	25.4
Serie Guarino Miel I	2003	9.05	7.63	14.09	47.94	38.23	40.66	10.13	2.01	9.1	39.55	56.34	38.37
Serie Guarino Miel I	2004	15.17	9.36	13.34	31.89	44.79	13.6	1.66	0	8.58	36.66	52.76	30.08
Serie Guarino Miel I	2005	18.59	30.43	35.64	43.55	66.21	22.31	4.69	4.17	10.27	49.07	62.96	66.87
Serie Guarino Miel I	2006	27.13	23.39	41.69	57.03	49.88	45.41	4.17	7.85	15.04	42.54	34.29	43.3
Serie Guarino Miel I	2007	31.3	45	35.3	38.1	52	48.1	40	35.9	32.8	62.9	82.5	63.7
Serie Guarino Miel I	2008	36.3	14.3	19.7	27	53.5	35.2	17.8	39.8	36.7	50.8	57.6	42.6
Serie Guarino Miel I	2009	34.3	40.2	67.3	75.5	83.5	72.2	40.1	37.2	30.7	39.8	57.8	43
Serie Guarino Miel I	2010	0	0.9	14	22	28.5	38.1	43.1	11.5	39.8	42	104.3	114.9
Serie Manso Miel I	1966	7.41	1.27	0	1.08	9.02	10.18	5.65	6.75	10.86	11.8	19.26	12.72
Serie Manso Miel I	1967	6.07	7.46	6.8	4.2	7.68	5.86	1.3	2.26	3.69	8.06	14	2.88
Serie Manso Miel I	1968	0.06	2.46	4.79	10.73	8.69	3.07	1.83	4.79	16.26	14.38	13.25	10.05
Serie Manso Miel I	1969	4.96	0	6.4	8.72	4.05	5.98	0	3.55	8.97	21.06	12.25	12.05
Serie Manso Miel I	1970	5.37	2.18	0	11.09	11.87	4.23	1.73	0	0	0	11.68	10.28
Serie Manso Miel I	1971	10.25	11.48	13.42	6.67	12.43	2.56	0	8.96	5.1	9.51	9.68	3.36
Serie Manso Miel I	1972	2.64	2.34	2.71	0	8.64	5.27	0	2.04	3.74	7.21	8.31	0
Serie Manso Miel I	1973	0	0	0.05	2.09	1.51	4.36	0	11.23	0.86	18.78	20.46	10.54
Serie Manso Miel I	1974	13.02	5.87	6.5	9.7	8.12	0.95	0	2.96	5.41	14.59	18.33	4.32
Serie Manso Miel I	1975	2.66	1.26	1.13	3.88	8.74	5.32	11.87	6.25	17.1	16.37	15.81	7.87
Serie Manso Miel I	1976	5.23	3.42	7.38	8.47	3.9	0	0	0	0	4.17	2.06	0
Serie Manso Miel I	1977	0	0	0	0	0	3.75	0.78	3.14	4.53	15.96	16.23	7.31
Serie Manso Miel I	1978	0	0	4.76	18.07	12.87	3.84	3.67	0	0	6.9	11.41	0
Serie Manso Miel I	1979	2.85	0.14	2.94	3.91	2.9	5.42	1.7	11.59	8.03	6.63	12.98	1.84
Serie Manso Miel I	1980	12.01	3.19	2.42	3.66	5.13	2.52	0	0	2.73	5.85	11.23	6.61
Serie Manso Miel I	1981	2.82	5.56	3.29	6.07	8.47	9.51	4.78	2.79	8.16	9.38	14.12	11.97
Serie Manso Miel I	1982	6.84	7.75	8.22	6.18	9.59	4.47	0.05	0	2.6	8.36	4.75	2.49
Serie Manso Miel I	1983	2.1	0	1.07	6.73	12.34	2.82	1.86	0	0	8.5	3.44	9.57
Serie Manso Miel I	1984	4.22	19.53	5.14	3.15	6.34	5.28	8.28	6.56	14.29	22.78	18.54	7.25
Serie Manso Miel I	1985	2.92	1.58	0.71	1.71	1.42	3.88	0	3.66	4.71	11.33	7.63	0.93
Serie Manso Miel I	1986	1.79	1.36	1.39	10.12	12.15	3.58	0	0	0.61	4.67	16	6.06
Serie Manso	1987	2.83	2.91	2.04	0.68	4.45	5.26	2.82	4.54	7.3	10.01	13.04	3.9

Miel I													
Serie Manso Miel I	1988	1.73	1.23	0	4.43	3.5	3.66	0	9.11	10.92	11.52	17.53	9.96
Serie Manso Miel I	1989	14.96	9.39	9.07	5.43	7.36	1.36	0.69	2.63	13.03	11.28	10.07	6.57
Serie Manso Miel I	1990	3.97	2.4	0.17	4.97	5.92	1.63	4.58	1.84	9.52	4.05	24	9.08
Serie Manso Miel I	1991	4.84	5.32	0.29	5.34	13.53	5.7	0	0.97	3.63	10.82	13.06	3.99
Serie Manso Miel I	1992	2.43	4.53	6.64	0.38	10	4.49	0	0	4.24	3.07	9.2	0
Serie Manso Miel I	1993	1.45	1.7	4.84	3.49	6.7	0	0	0.12	9.82	3.44	12.07	4.78
Serie Manso Miel I	1994	4.94	10.99	15.99	6.95	5.68	2.4	0	0	3.71	7.01	10.06	9.59
Serie Manso Miel I	1995	0	0	2.5	1.37	8.74	9.55	5.8	2.46	5.31	6.5	9.19	12.41
Serie Manso Miel I	1996	8.19	6.5	13.68	8.23	16.89	11.04	5.22	4.34	3.62	5.82	11.94	7.75
Serie Manso Miel I	1997	1.82	8.3	4.05	5.98	0.44	4.08	0	0	5.18	7.01	7.95	0.74
Serie Manso Miel I	1998	4.12	7.74	1.91	3.99	3.16	0	3.12	0.33	6.12	6.53	12.06	14.59
Serie Manso Miel I	1999	10.42	22.05	10.73	6.44	7.33	7.49	5.29	6.56	9.76	14.91	13.96	17.78
Serie Manso Miel I	2000	1.42	5.84	8.05	7.16	3.18	3.58	1.44	2.51	10.25	9.41	8.26	5.63
Serie Manso Miel I	2001	1.95	0.42	4.53	6.86	5.75	5.27	0.08	0	5.02	11.46	20.82	13.93
Serie Manso Miel I	2002	8.19	2.78	7.23	25.97	17.59	5.35	6.2	1.61	7.81	27.07	9.17	5.27
Serie Manso Miel I	2003	2.14	4.41	8.3	16.37	11.68	5.25	1.66	2.37	3.91	7.84	12.84	5.52
Serie Manso Miel I	2004	1.5	0	0	16.94	7.7	3.17	6.07	0.22	8.14	11.34	12.35	3.57
Serie Manso Miel I	2005	7.5	2.37	3.06	4.5	7.33	7.36	1.62	0	2.08	11.78	8.91	6.7
Serie Manso Miel I	2006	6.47	8.06	8.78	9.61	8.45	5.94	0	1.63	7.64	13.52	11.18	10.87
Serie Miel I	1963	86.63	94.9	100.41	91.52	97.36	70.84	63.1	70.07	81.49	92.12	125.83	91.51
Serie Miel I	1964	74.24	85.74	72.57	90.19	95.82	95.82	76.67	91.88	97.8	90.88	89.02	93.18
Serie Miel I	1965	88.07	67.51	64.81	86.02	81.77	37.1	23.15	28	66.94	85.37	100.6	95.99
Serie Miel I	1966	65.68	67.37	65.72	56.97	78.35	87.05	60.35	62.49	75.72	95.02	107.87	152.74
Serie Miel I	1967	76.88	83.66	99.99	77.64	92	72.37	39.1	36.71	38.16	53.35	117.54	68.25
Serie Miel I	1968	66.46	79.96	71.7	129.38	85.27	80.28	48.61	39.02	73.5	105.07	95.94	110.72
Serie Miel I	1969	61.9	69.02	72.07	121.61	91.71	63.91	30.96	51.08	72.69	121.79	140.45	123.8
Serie Miel I	1970	77.67	94.81	59.73	101.95	119.2	74.16	57.55	69.66	79.98	120.16	200.7	192.92
Serie Miel I	1971	144	145.21	153.43	116.79	165.97	69.81	49.78	87.76	102	156.07	170.25	113.27
Serie Miel I	1972	87.82	71.72	62.25	53.95	153.88	87.73	45.41	64.99	60.79	84.76	109.43	56.9
Serie Miel I	1973	58.99	41.84	73.13	98.42	63.86	72.8	57.3	106.32	124.22	164.1	156.98	154.61
Serie Miel I	1974	89.65	122.14	79.65	92.1	100.85	52.59	29.36	42	74.71	120.73	189.26	93.53
Serie Miel I	1975	50.83	86.47	80.66	93.15	137.4	91.53	98.81	62.49	115.02	125.75	169.92	131.78
Serie Miel I	1976	112.3	94.94	102.01	106.2	90.78	50.65	24.86	21.82	20.75	78.4	80.25	48.23
Serie Miel I	1977	41.99	54.33	62.12	57.92	71.07	69.29	47.28	50.43	45.36	108.97	103.48	80.39
Serie Miel I	1978	49.6	35.4	79.04	144.17	110.41	79.73	75.78	37.12	68.23	132.37	115.56	109
Serie Miel I	1979	61.49	74.91	87.16	118.76	78.53	71.45	34.34	69.77	111.89	95.87	134.45	61.36
Serie Miel I	1980	77.71	66.67	52.39	53.51	98.98	61.76	33.72	30.72	56.31	102.54	172.41	126.18
Serie Miel I	1981	79.43	127.89	89.37	101.22	128.46	107.77	61.77	57.67	88.22	103.02	172.99	154.24
Serie Miel I	1982	66.14	61.86	81.59	92.37	120.48	59.83	29.72	22.01	27.26	85.27	91.73	78.15
Serie Miel I	1983	48.85	32.28	50.2	88.94	111.84	102.25	68.95	55.95	79.36	95.08	101.48	107.73
Serie Miel I	1984	117.9	135.77	113.13	109.92	122.69	109.9	109.96	85.96	125.05	164.08	180.34	144.07
Serie Miel I	1985	63.43	36.09	55.8	87.01	77.8	45.94	28.43	40.91	54.87	104.6	132.44	144.79
Serie Miel I	1986	106.29	77.24	87.16	101.86	104.38	56.68	26.77	28.28	31.72	122.43	106.62	63.89
Serie Miel I	1987	64.17	61.23	39.37	66.23	89.98	47.43	45.21	59.22	49.28	94.62	88.9	65.54
Serie Miel I	1988	63.62	56.18	39.71	97.45	75.68	99.57	42.88	70.77	109.64	129.67	144.98	143.04
Serie Miel I	1989	125.08	94.6	112.97	77.01	75.05	64.18	41.89	40.46	87.26	112.57	128.23	86.25
Serie Miel I	1990	77.2	61.34	58.43	97.07	58.45	35.71	35.21	30.02	31.42	126.9	101.43	97.36
Serie Miel I	1991	61.47	53.07	54.58	64.36	88.3	66.97	28.7	27.31	33.48	58.29	103.77	113.14
Serie Miel I	1992	67.78	48.46	45.07	46.88	104.38	50.32	19.49	22.79	43.07	38.77	73.2	96.13
Serie Miel I	1993	84.74	88.21	71.76	73.5	94.62	35.57	23.62	26.41	68.84	45.75	93.82	88.11

Serie Miel I	1994	90.88	112.73	144.18	94.61	81.33	42.27	29.71	30.83	36.14	50.88	97.19	89.6
Serie Miel I	1995	50.25	35.76	63.03	83.52	108.72	79.62	41.3	62.98	65.19	77.88	71.61	107.88
Serie Miel I	1996	110.17	67.97	83.84	84.62	120.41	70.28	49.86	50.39	56.6	66.04	70.72	87.28
Serie Miel I	1997	55.22	73.11	69.47	81.57	55.87	41.44	27.64	17.83	54.95	64.98	75.12	59.77
Serie Miel I	1998	73.07	91.79	73.33	94.12	80.68	36.91	36.34	53.8	73.46	83.39	110.93	96.34
Serie Miel I	1999	98.25	158.38	141.77	106.32	92.56	83.88	54.94	48.72	84.65	119.36	127.61	187.96
Serie Miel I	2000	88.13	105.57	140.56	116.51	100.16	93.01	54.06	51.45	84.89	79.76	133.05	92.42
Serie Miel I	2001	98.37	58.49	67.04	58.41	93.19	62.73	45.64	22.53	41.39	73.26	126.56	140.56
Serie Miel I	2002	102.5	80.96	67.33	121.81	71.49	69.24	34.59	22.62	45.94	86.03	69.41	86.3
Serie Miel I	2003	48.71	48.26	64.66	76.05	68.56	62.74	35.12	30.75	66.63	135.93	127.15	99.65
Serie Miel I	2004	74.21	67.46	87.59	118.23	109.53	47.27	43.72	26.45	54.43	77.1	113.13	116.29
Serie Miel I	2005	114.81	127.12	95.37	79.42	135.52	98.63	54.8	35.91	46.97	127.62	173.11	178.49
Serie Miel I	2006	133.31	114.94	122.78	116.19	114.76	88.99	37.53	30.5	58.07	99.85	143.67	135.5
Serie Miel I	2007	149.95	54.04	82.56	133.96	140.24	64.21	48.11	47.48	64.52	116.97	180.42	141.41
Serie Miel I	2008	111.42	107.48	130.31	107.08	135.42	90.63	61.85	95.05	82.03	111.86	199.37	145.09
Serie Miel I	2009	151.71	139.94	171.04	106.46	121.71	91.13	56.73	66.89	53.98	75.25	111.92	76.8
Serie Miel I	2010	61.09	70.72	97.16	61.77	78.83	78.25	96.25	57.72	116.33	110.48	196.95	205.37
Serie San Carlos	1964									24.81	33.34	36.73	21.06
Serie San Carlos	1965	16.24	14.85	12.03	12.65	27.74	16.06	11.41	14.81	32.7	40.1	46.67	26.15
Serie San Carlos	1966	23.91	13.75	16.44	18.33	24.17	26.68	18.62	20.03	19.81	32.46	38.12	32.72
Serie San Carlos	1967	23.18	14.1	13.97	33.47	27.12	27.72	24.57	21.33	23.07	30.78	28.49	18.64
Serie San Carlos	1968	13.59	10.22	11.48	24.17	24.59	22.41	28.36	27.72	45.19	43.83	36.91	20.65
Serie San Carlos	1969	17.76	12.47	12.25	26.02	27.65	19.21	11.04	21.97	37.06	48.1	39.95	23.4
Serie San Carlos	1970	17.61	10.99	10.27	16.17	35.45	21.86	30.74	26.9	38.27	54.97	40.52	25.8
Serie San Carlos	1971	25.69	18.42	32.02	28.8	79.76	30.1	26	32.19	38.1	42.68	36.11	23.55
Serie San Carlos	1972	26.64	14.5	15.84	23.82	30.74	29.79	18.11	23.4	18.13	28.01	29.77	24.46
Serie San Carlos	1973	16.81	9.81	9.3	23.05	19.65	26.66	19.37	30.01	41.14	36.31	48.47	35.28
Serie San Carlos	1974	28.93	19.63	17.89	30.3	38.3	30.78	22.63	27.52	39.18	41.82	41.34	19.74
Serie San Carlos	1975	13.07	11.11	13.2	23.16	30.96	30.98	32.79	27.85	36.55	43.27	46.47	35.25
Serie San Carlos	1976	19.24	16.33	26.29	36.4	24.52	19.7	11.19	11.92	19.37	42.66	40.56	18.27
Serie San Carlos	1977	11.17	9.81	11.48	13.22	22.87	23.8	25.8	25.23	31.6	35.83	36.49	26.46
Serie San Carlos	1978	13.2	12.49	15.05	28.09	27.1	20.58	24.88	14.72	29.06	27.56	38.63	21.33
Serie San Carlos	1979	11.15	10.09	12.34	26.86	32.24	24.52	17.43	22.63	32.76	39.24	36.51	18.95
Serie San Carlos	1980	16.83	11.35	11.74	24.66	22.3	21.9	17.21	16.64	23.4	39.62	42.17	28.89
Serie San Carlos	1981	15.73	14.83	11.61	29.88	42.15	34.24	26	29.08	30.87	45.54	41.25	29.66
Serie San Carlos	1982	14.37	19.32	25.36	35.21	40.7	20.12	10.49	9.52	17.54	34.06	20.49	32.1
Serie San Carlos	1983	10.22	10.29	9.1	35.01	25.49	15.56	18.22	15.49	28.62	43.45	32.59	32.1
Serie San Carlos	1984	17.83	26.44	16.7	24.92	35.74	43.05	33.91	27.92	36.16	45.54	58.39	33.23
Serie San Carlos	1985	15.49	11.39	19.13	26.15	38.01	18.55	14.23	23.22	27.59	27.3	20.21	20.45
Serie San Carlos	1986	18.09	14.56	11.68	37.99	29.11	25.41	14.52	24.94	26.15	39.31	38.25	22.14
Serie San Carlos	1987	17.91	14.37	17.58	27.17	36.86	26.75	28.49	23.16	38.12	51.16	48.65	29.72
Serie San Carlos	1988	12.56	18	13.77	44.07	52.33	35.83	67.34	44.11	64.89	68.9	74.08	62.91
Serie San Carlos	1989	47.48	23.95	33.98	43.27	43.72	40.19	18.71	39	35.94	54.62	49.73	26.57
Serie San Carlos	1990	20.67	25.78	18.42	41.38	34.4	36.29	33.32	34.95	46.23	45.54	42.53	32.1
Serie San Carlos	1991	12.1	10.5	14.1	26	26.9	22.2	18.9	16	14.56	30.03	31.53	25.1
Serie San Carlos	1992	14.26	11.63	19.74	20.38	36.82	28.12	16.59	27.63	39.6	41.42	40.15	42.39
Serie San Carlos	1993	35.28	24.22	29	40.26	44.57	21.75	31.27	23.66	51.52	30.91	28.16	37.88
Serie San Carlos	1994	19.46	16.55	18.57	41.4	37.08	19.15	20.45	22.72	22.43	35.98	28.86	19.61
Serie San Carlos	1995	11.83	10.05	20.67	29.9	28.6	29.68	26.77	53.26	31.82	51.56	38.32	19.15
Serie San Carlos	1996	15.18	19.13	21.84	34.88	35.1	29.06	25.89	22.87	19.37	47.09	38.58	13.97
Serie San Carlos	1997	7.51	13.48	22.94	46.59	29.75	36.76	12.97	16.37	32.91	28.31	31.55	16.3
Serie San Carlos	1998	15.84	17.87	14.87	21.58	37.2	16.66	30.53	29.01	44.65	49.95	57.4	48.75
Serie San Carlos	1999	39.09	34.28	26	39.72	34.7	26.17	18.46	19.6	31.24	38.67	28.5	25.05
Serie San Carlos	2000	9.14	14.89	13.07	17.53	24.24	37.45	20.27	22.68	47.32	37.61	30.75	26.97
Serie San Carlos	2001	10.23	7.5	13.57	12.21	26.98	12.58	24.01	7.89	18.87	32.65	24.9	21.02
Serie San Carlos	2002	11.11	8.25	11.76	33.32	18.12	26.11	8.48	13.83	24.74	27.59	18.58	11.56
Serie San Carlos	2003	6.29	7.52	9.47	24.62	25.92	31.72	16.37	16.73	18.58	27.05	21.35	31
Serie San Carlos	2004	16.3	13.53	15.68	26.75	32.19	18.92	25.42	17.42	39.05	30.05	59	22.65
Serie San Carlos	2005	15.75	13.66	11.8	18.19	35.22	41.29	19.59	18.08	19.44	39.41	65.43	19.12
Serie San Carlos	2006	17.03	21.01	27.95	31.55	29.3	23.12	12.34	24.19	18.96	65.19	59.16	25.77
Serie San Carlos	2007	21.89	17.72	20.16	26.46	58.11	25.42	33.69	46.12	54.88	81.69	31.96	20.08
Serie San Carlos	2008	13.99	18.23	26.53	26.8	45.45	26.24	33.31	43.68	19.06	40.38	46.4	16.52
Serie San Carlos	2009	28.4	14.49	16.27	27.47	31.56	17.81	11.86	19.69	17.68	28.37	37.57	17.66
Serie San Carlos	2010	8.82	8.11	9.54	16.42	21.12	22.06	26.89	29.4	36.93	47.34	52.38	35.5
Serie San Lorenzo	1955								38.23	46.4	60.28	66.91	53.21
Serie San Lorenzo	1956	50.5	44.41	41.43	38.99	65.95	56.6	42.29	46.45	50.48	68.05	60.68	46.22
Serie San	1957	31.17	26.57	21.93	37.01	45.44	37.47	31.45	33.04	33.62	39.73	35.8	30.64

Lorenzo													
Serie San Lorenzo	1958	20.61	19.23	23.97	25.74	37.89	24.89	21.15	35.29	25.05	33.25	30.72	28.4
Serie San Lorenzo	1959	19.08	16.94	18.32	22.97	31.58	32.25	27.8	30.64	46.73	40.92	40.53	26.28
Serie San Lorenzo	1960	22.15	20.62	23.8	27.64	37.22	41.35	43.63	33.55	46.69	43.67	45.61	43.12
Serie San Lorenzo	1961	26.05	24.97	24.29	28.44	34.24	39.59	37.08	34.86	56.54	55.12	60.52	39.03
Serie San Lorenzo	1962	25.18	22.39	30.94	37.09	65.02	64.34	41.83	44.82	46.12	61.38	52.31	35.24
Serie San Lorenzo	1963	26.69	34.14	36.27	46.21	48.39	34.97	37.07	37.47	40.16	48.53	58.47	31.32
Serie San Lorenzo	1964	23.9	19.77	19.65	33.91	66.65	35.31	43.43	41.21	56.85	51.43	45.71	28.14
Serie San Lorenzo	1965	29.5	22.2	20.2	27.9	47.2	38	28.7	41.8	54.5	48	58.7	33.8
Serie San Lorenzo	1966	34.7	21.6	27	30	40.1	54.8	35.6	43.8	41	48	53.1	39.4
Serie San Lorenzo	1967	31.5	25.3	26.3	47.3	56.1	57	54.5	34.3	54.1	42.8	35.7	26.88
Serie San Lorenzo	1968	22.1	15.2	19.3	32.4	34.9	42.6	46.6	47.3	64.5	60.1	46.8	27
Serie San Lorenzo	1969	27.4	23.5	23.4	32.2	35.4	32.8	19.4	48.9	56.8	53.9	50.2	32.7
Serie San Lorenzo	1970	30.6	15.7	22.9	31.4	57.6	48.3	48.9	45.2	65.5	65.2	46.5	43.1
Serie San Lorenzo	1971	44.7	40.7	60.2	51.3	66.1	58.3	45.3	63.7	69.8	80.9	72.2	38.8
Serie San Lorenzo	1972	42.3	23.5	28.5	32.9	60.1	51.7	41.8	47.7	39.3	48.2	45.5	27.3
Serie San Lorenzo	1973	20.5	14.2	19.6	24.6	34.5	54.7	38.4	54.7	92.4	64.6	60.7	40.3
Serie San Lorenzo	1974	39.7	26.6	25.9	45.1	57.8	43.2	45.7	50.9	69	65.2	53.4	27.1
Serie San Lorenzo	1975	27.3	24.4	32.3	44.2	58.4	53.3	63.6	52.5	54	60.2	47.1	36.3
Serie San Lorenzo	1976	20.3	20.8	40.1	41.8	46.6	30.8	21.9	24.9	22.1	32.1	37.3	22.2
Serie San Lorenzo	1977	17.4	15.7	16.57	18.51	29.49	25.35	31.9	35.47	21.55	32.17	25.11	23.11
Serie San Lorenzo	1978	14.65	16.91	17.59	45.06	41.64	44.82	46.56	33.93	45.5	44.74	42.47	38.3
Serie San Lorenzo	1979	30.68	25.58	28.48	36.13	42.88	44.65	31.54	43.33	52.82	59.49	51.64	26.06
Serie San Lorenzo	1980	19.17	16.83	19.87	22.98	45.38	36.39	35.42	35.21	40.96	57.57	48.2	28.76
Serie San Lorenzo	1981	16.8	17.84	16.61	37.72	58.47	38.86	35.68	30.28	39.86	48.02	34.14	25.17
Serie San Lorenzo	1982	20.5	24.92	28.67	54.17	55.33	25.42	25.58	36.36	60.99	46.12	23.97	19.44
Serie San Lorenzo	1983	16.93	14.41	16.36	41.15	46.44	29.25	35.93	31.05	53.35	45.78	31.4	27.56
Serie San Lorenzo	1984	20.73	36.04	16.49	38.13	54.83	57.48	38.5	40.07	61.27	66.97	56.68	35.75
Serie San Lorenzo	1985	17.41	19.2	29.62	25.13	50.46	22.98	25.72	61.13	54.44	35.55	26.42	22.09
Serie San Lorenzo	1986	25.85	28.03	19.31	53.08	41.73	34.04	23.26	40.93	36.93	58.88	37.27	21.97
Serie San Lorenzo	1987	19.61	16.36	11.9	19.1	21.4	18	23.6	21.5	31.4	34.3	29.8	21.7
Serie San Lorenzo	1988	14.7	14.7	12.1	29.6	42.2	51.2	33.3	60.7	82.6	46.5	61.2	51.9
Serie San Lorenzo	1989	49.8	24.7	21.8	31	33.8	40.3	26.1	41	63.8	61.7	57.3	31.1
Serie San Lorenzo	1990	22.9	18.7	16.8	23.8	40.4	31.9	32.6	25.4	48	63.2	43.4	37
Serie San Lorenzo	1991	17.2	14.9	16.8	19.8	24	33.4	25.6	19	20.5	27.2	29.4	17.1
Serie San Lorenzo	1992	10.3	9.6	14.8	13.9	29.6	22	23	31.4	45.5	30.1	23.3	22.2

Serie San Lorenzo	1993	21.62	14.59	23.98	26.2	29.47	17.54	30.25	37.66	56.34	51.43	43.12	32.75
Serie San Lorenzo	1994	20.26	17.91	16.45	32.3	37.25	26.85	29.88	33.5	42.35	49.41	56.19	25.98
Serie San Lorenzo	1995	19.87	14.9	21.8	40.71	41.83	59.6	52.84	47.44	45.86	35.15	29.8	22.98
Serie San Lorenzo	1996	17.2	22.76	31.3	34.6	46.87	44.41	108.6	77.25	58.52	82.3	47.04	25.43
Serie San Lorenzo	1997	18.64	35.47	31.66	41.43	23.2	40.62	17.6	17.94	25.41	20.84	25.23	12.94
Serie San Lorenzo	1998	11.06	11.76	11.49	20.78	31.84	31.42	48.73	36.61	60.73	50.09	41.63	40.18
Serie San Lorenzo	1999	26.4	34.3	27.91	38.82	46.29	51.72	38.4	34.92	50.8	54.21	43.03	35.46
Serie San Lorenzo	2000	18.81	20.94	21.16	29.01	61.56	69.07	64.74	64.76	77.72	61.37	35.3	25.54
Serie San Lorenzo	2001	17.15	16.2	33.02	27.47	54.71	45	49.86	19.11	40.36	48.69	47.2	29.17
Serie San Lorenzo	2002	20.33	19.37	20.99	38.21	41.26	33.76	23.21	22.8	42.52	34.4	27.27	18.23
Serie San Lorenzo	2003	11.32	16.09	22.55	46.61	58.83	71.15	35.9	40.54	38.15	48.62	41.02	31.82
Serie San Lorenzo	2004	18.25	18.22	26.66	30.94	44.09	28.28	59.22	31.7	52.39	51.12	48.16	27.57
Serie San Lorenzo	2005	23.07	17.52	12.79	30.5	37.73	49.58	24.96	27.64	40.22	44.53	60.68	24.96
Serie San Lorenzo	2006	19.23	22.18	32.37	45.09	51.89	47.55	21.33	31.4	39.07	61.91	51.12	37.04
Serie San Lorenzo	2007	26.35	14.96	24.06	41.42	70.65	40.1	38.78	38.36	45.91	55.38	34.98	30.43
Serie San Lorenzo	2008	24.91	27.88	22.56	40.28	54.24	67.7	65.07	79.41	55.95	99.52	99.15	36.67
Serie San Lorenzo	2009	40.87	43.06	44.02	47.38	51.11	60.09	49.79	64.89	43.79	46.09	42.99	27.61
Serie San Lorenzo	2010	17.96	15.75	22.53	31.02	48.03	66.38	69.12	63.12	74.32	56.38	62.41	45.14

Formato 5. Embalses

NOMBRE	MIN_TECNICO (Mm3)	MAX_TECNICO (Mm3)
Punchina	5.28	58.49
San Lorenzo	19.61	184.16
Amani	50.65	495.63
Guarino	0	0
Manso	0	0

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8. Capacidad Arcos de Descarga

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)	FECHA_ENTRADA	FECHA_SALIDA
Guarino	0	71	01/09/2010	
Manso	0	22	01/12/2011	

Formato 9

No reportó información.

Formato 10. Capacidad Máxima Arco Generación

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)
San Carlos	0	276.6
Jaguas	0	86.8
Miel I	17	220

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14. Suministro Gas Natural

PLANTA	CAMPO	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
Termocentro Ciclo Combinado GNI	Importado	8784	1441500	1441500	1348500	1441500	1395000	1441500	1395000	1441500	1441500	1395000	1441500	1395000

Formato 15. Transporte Gas Natural

PLANTA	PUNTO_ENTRADA	PUNTO_SALIDA	TRANSPORTE_DIC (MBTU)	TRANSPORTE_ENE (MBTU)	TRANSPORTE_FEB (MBTU)	TRANSPORTE_MAR (MBTU)	TRANSPORTE_ABR (MBTU)	TRANSPORTE_MAY (MBTU)	TRANSPORTE_JUN (MBTU)	TRANSPORTE_JUL (MBTU)	TRANSPORTE_AGO (MBTU)	TRANSPORTE_SEP (MBTU)	TRANSPORTE_OCT (MBTU)	TRANSPORTE_NOV (MBTU)
Termocentro Ciclo Combinado GNI	Terminal Importacion	Termocentro	1441500	1441500	1348500	1441500	1395000	1441500	1395000	1441500	1441500	1395000	1441500	1395000

Formato 16. Suministro Combustible Diferente a Gas

PLANTA	COMBUSTIBLE	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
Termocentro Ciclo Combinado Jet	Jet A1 (Queroseno)	8784	1441500	1441500	1348500	1441500	1395000	1441500	1395000	1441500	1441500	1395000	1441500	1395000

Formato 17. Almacenamiento Combustible

PLANTA	COMBUSTIBLE	CAP_ALMACENAMIENTO	CANT_ALMACENADA (MBTU)
Termocentro Ciclo Combinado Jet	Jet A1 (Queroseno)	140568	140568

Formato 18

No reportó información.

Formato 19. Plantas Menores

NOMBRE	CAP_EFECTIVA_NETA (MW)	DISPONIBILIDAD (%)
Calderas	19.9	35

Formato 1

No reportó información.

Formato 2

No reportó información.

Formato 3

No reportó información.

Formato 4

No reportó información.

Formato 5

No reportó información.

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10

No reportó información.

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14

No reportó información.

Formato 15

No reportó información.

Formato 16

No reportó información.

Formato 17

No reportó información.

Formato 18

No reportó información.

Formato 19. Plantas Menores

NOMBRE	CAP_EFECTIVA_NETA (MW)	DISPONIBILIDAD (%)
CIMARRON	19.9	76
MORRO1	19.9	80

MORRO2	19.9	70
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Formato 1

No reportó información.

Formato 2

No reportó información.

Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MBTU/MWh)	IHF (%)
TERMOYOPALG2	29.68	12.1016	10

Formato 4

No reportó información.

Formato 5

No reportó información.

Formato 6

No reportó información.

Formato 7

No reportó información.

Formato 8

No reportó información.

Formato 9

No reportó información.

Formato 10

No reportó información.

Formato 11

No reportó información.

Formato 12

No reportó información.

Formato 13

No reportó información.

Formato 14. Suministro Gas Natural

PLANTA	CAMPO	HORAS_OPERACION	ENERGIA_DIC (MBTU)	ENERGIA_ENE (MBTU)	ENERGIA_FEB (MBTU)	ENERGIA_MAR (MBTU)	ENERGIA_ABR (MBTU)	ENERGIA_MAY (MBTU)	ENERGIA_JUN (MBTU)	ENERGIA_JUL (MBTU)	ENERGIA_AGO (MBTU)	ENERGIA_SEP (MBTU)	ENERGIA_OCT (MBTU)	ENERGIA_NOV (MBTU)
TERMOYOPAL G2	FLOREÑA(Boca de Pozo)	8784	277016	277016	259144	277016	268080	277016	268080	277016	277016	268080	277016	268080

Formato 15. Transporte Gas Natural

PLANTA	PUNTO_ENTRADA	PUNTO_SALIDA	TRANSPORTE_DIC (MBTU)	TRANSPORTE_ENE (MBTU)	TRANSPORTE_FEB (MBTU)	TRANSPORTE_MAR (MBTU)	TRANSPORTE_ABR (MBTU)	TRANSPORTE_MAY (MBTU)	TRANSPORTE_JUN (MBTU)	TRANSPORTE_JUL (MBTU)	TRANSPORTE_AGO (MBTU)	TRANSPORTE_SEP (MBTU)	TRANSPORTE_OCT (MBTU)	TRANSPORTE_NOV (MBTU)
TERMOYOPAL G2	FLOREÑA(Boca de Pozo)	FLOREÑA(Boca de Pozo)	277016	277016	259144	277016	268080	277016	268080	277016	277016	268080	277016	268080

Formato 16

No reportó información.

Formato 17

No reportó información.

Formato 18

No reportó información.

Formato 19. Plantas Menores

NOMBRE	CAP_EFECTIVA_NETA (MW)	DISPONIBILIDAD (%)
TERMOYOPALG1	19.9	76

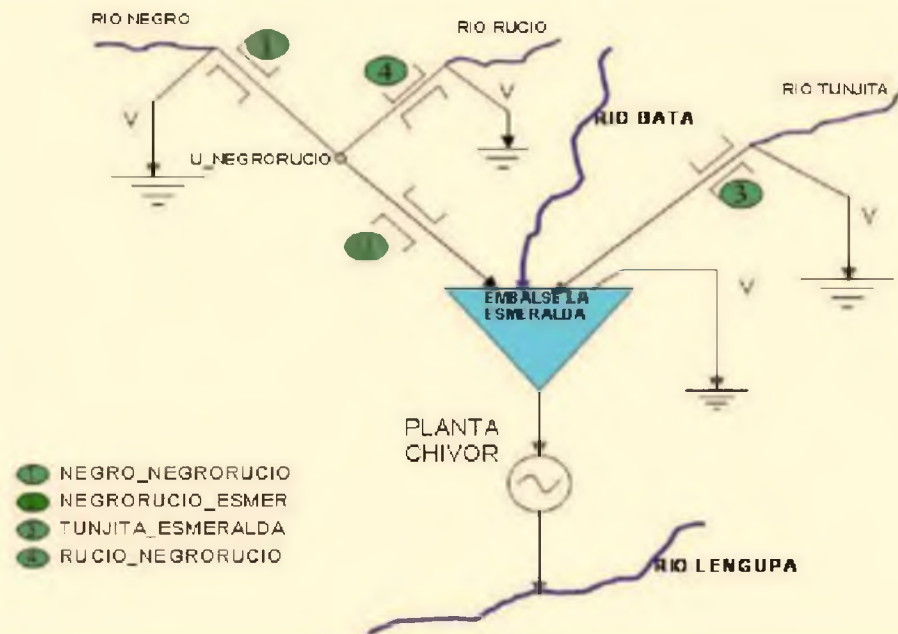
Formato 1. Plantas o Unidades Hidráulicas

NOMBRE	CAP_EFECTIVA_NETA (MW)	EFICIENCIA (MW/(m3/s))	IHF (%)
CHIVOR	1000	6.9925	9.8211

Formato 2. Topología Plantas Hidráulicas

NOMBRE_SISTEMA	ELEMENTO_CLASE	ELEMENTO_NOMBRE	APORTES_RIO	APORTES_EMBALSE	APORTES_PLANTA	APORTES_OTRO	DESCARGA_RIO	DESCARGA_EMBALSE	DESCARGA_PLANTA	DESCARGA_OTRO	VERTIMIENTO_S_RIO	VERTIMIENTO_S_EMBASLE	VERTIMIENTO_S_PLANTA	VERTIMIENTO_S_OTRO
CADENA HIDRAULICA CHIVOR	AD	RUCIO-NEGRORUCIO (4)	RUCIO							AD NEGRO RUCIO-ESMERALDA				TIERRA
CADENA HIDRAULICA CHIVOR	AD	NEGRO-NEGRORUCIO (1)	NEGRO							AD NEGRO RUCIO-ESMERALDA				TIERRA
CADENA HIDRAULICA CHIVOR	AD	NEGRORUCIO-ESMERALDA (2)				AD RUCIO-NEGRORUCIO (4); AD NEGRO-NEGRORUCIO (1)		ESMERALDA						
CADENA HIDRAULICA CHIVOR	AD	TUNJITA-ESMERALDA (3)	TUNJITA					ESMERALDA						TIERRA
CADENA HIDRAULICA CHIVOR	E	ESMERALDA	BATA			AD NEGRORUCIO-ESMERALDA; AD TUNJITA-ESMERALDA			CHIVOR					TIERRA
CADENA HIDRAULICA CHIVOR	P	CHIVOR		ESMERALDA			LENGUPA							

Formato 2A. Topología Plantas Hidráulicas



Formato 3. Plantas o Unidades Térmicas

NOMBRE	CAP. EFECTIVA [NETA (MW)]	EFICIENCIA [MRTU/MWH]	IHF (%)
N/A			

Formato 4. Caudal Medio Mensual

RIO	AÑO	CAUDAL_ENERO (m3/s)	CAUDAL_FEBRE RO (m3/s)	CAUDAL_MARZO (m3/s)	CAUDAL_ABRIL (m3/s)	CAUDAL_MAYO (m3/s)	CAUDAL_JUNIO (m3/s)	CAUDAL_JULIO (m3/s)	CAUDAL_AGOSTO (m3/s)	CAUDAL_SEPTIEMBRE (m3/s)	CAUDAL_OCTUBRE (m3/s)	CAUDAL_NOVIEMBRE (m3/s)	CAUDAL_DICIEMBRE (m3/s)
BATA	1956	10	8	10	23.6	39.81	124.29	92.25	136.91	81.56	71.85	38.35	21.26
BATA	1957	10.01	7.24	10.19	20.55	117.85	138.74	205.79	133.65	88.54	79.75	60.57	25
BATA	1958	9.45	6.04	12.69	28.39	59.69	95.5	154.59	126.26	55.54	31.73	27.84	11.44
BATA	1959	6.74	5.31	8.93	19.37	61.8	116.6	202.25	279.99	124.36	103.94	63.87	23.3
BATA	1960	15.53	16.62	9.8	23.31	55.95	92.57	164.29	204.75	108.83	51.3	47.3	46.66
BATA	1961	11.85	7.89	9.68	30.97	29.87	100.93	122.4	124.63	44.7	57.4	63.98	17.71
BATA	1962	7.29	5.51	12.01	10.56	67.43	133.85	185.52	116.18	72.26	54.44	49.37	22.02
BATA	1963	10.02	11.29	8.24	40.95	128.24	126.8	140.49	170.01	87.03	34.38	44.81	18.7
BATA	1964	7.91	5.97	4.77	18.11	57.34	112.45	126.06	81.14	94.26	50.85	54.23	22.48
BATA	1965	10.97	7.48	6.93	36.29	110.17	119.33	162.46	140.09	79.15	71.22	81.4	31.89
BATA	1966	12.78	6.13	16.65	20.27	25.68	52.76	102.55	83.73	63.42	36.26	54.2	45.96
BATA	1967	14.66	8.25	9.16	38.93	74.82	165.01	137.93	212.73	92.2	47.13	39.26	24.28
BATA	1968	8.95	8.3	5.54	51.94	51.39	104.05	173.3	129.99	76.83	58.84	41.81	12.69

BATA	1969	17.31	10.87	7.86	37.01	71.64	90.38	144.32	105.85	45.5	85.99	43	20.26
BATA	1970	22.03	14.47	10.73	36.08	59.62	103.66	143.81	133.51	75.09	79.99	44.3	24.65
BATA	1971	17.83	11.45	23.06	37.51	117.86	111.57	182	111.38	94.42	52.48	39.74	26.08
BATA	1972	35.15	16.63	16.53	71.33	123.35	135.06	154.49	97.81	99.48	43.58	34.64	13.27
BATA	1973	7.35	5.81	6.35	13.42	66.51	76.39	107.59	106.55	136.94	73.86	79.91	31.98
BATA	1974	10.93	11.57	13.63	36.31	55.42	67.29	127.65	118.07	60.46	52.23	51.03	16.41
BATA	1975	7.26	6.31	10.52	16.16	38.56	109.24	78.42	113.65	61.63	59.27	57.09	47.43
BATA	1976	15.62	9.61	23.8	53.31	114.84	178.78	187.15	118.98	76.25	67.98	67.58	31.41
BATA	1977	9.76	8.39	7.84	24.42	50.82	96.42	113.76	93.97	107.32	62.56	65.37	15.27
BATA	1978	7.3	7.39	9.14	54.27	63.41	121.83	102.9	124.58	83.41	69.59	31.78	20.04
BATA	1979	7.07	5.68	7.56	42.86	57.84	140.3	126.42	107.52	53.99	83.33	95.48	59.49
BATA	1980	18.93	9.46	9.96	33.4	57.62	161.91	131.38	85.69	87.89	87.91	39.97	13.44
BATA	1981	10.09	12.58	14.74	44.68	113.59	121.92	109.46	83.16	69.65	73.38	52.91	26.35
BATA	1982	14.56	11.5	17.73	65.73	77.87	91.5	137.09	123.51	86.25	65.41	35.61	18.69
BATA	1983	14.09	15.13	23.9	62.52	64.7	70.99	97.01	126.38	56.98	53.83	25.2	18.58
BATA	1984	7.7	11.04	7.42	11.11	34.89	102.76	98.4	114.2	83.39	36.17	41.11	16.07
BATA	1985	8.45	4.99	6.56	23.06	52.12	146.36	102.01	95.55	79.33	55.45	53.37	42.99
BATA	1986	10.31	14.89	27.01	38.71	63.42	188.36	201.04	124.37	64.5	111.69	60.51	28.61
BATA	1987	11.39	13.2	12.88	25.21	70.39	101.23	147.91	133.24	64.13	75.74	43.83	27.07
BATA	1988	8.17	6.88	4.57	18.27	32.04	86.95	142.12	59.08	51.4	68.56	90.95	41.28
BATA	1989	14.44	12.17	35.88	25.87	91.82	100.18	144.45	67.23	46.67	48.95	44.56	23.1
BATA	1990	9.75	12.02	19.87	30.14	117.17	113.16	130.97	104.74	45.59	41.26	41.25	32.7
BATA	1991	9.09	6.9	19.15	26.52	45.82	69.15	191.11	165.69	93.65	48.61	54.15	16.3
BATA	1992	8.79	6.73	5.98	15.78	30.21	62.84	152.68	147.07	56.35	32.25	37.64	22.05
BATA	1993	9.87	8.95	14.81	36.59	73.42	128.49	129.93	100.86	65.2	44.82	53.09	33.18
BATA	1994	11.67	8.69	18.09	30.14	95.99	102.75	185.16	146.68	85.27	93.39	55.22	27.5
BATA	1995	11.82	7.91	12.26	43.27	54.15	103.31	89.93	59.6	40.44	45.54	36.82	21.01
BATA	1996	10.24	17.03	25.68	22.76	73.3	115.07	158.66	89.48	56.28	72.3	31.99	42.38
BATA	1997	20.43	15.21	10.95	19.26	56.55	49.44	241.73	141.31	42.52	29.83	26.12	9.41
BATA	1998	7.12	7.1	8.06	30.07	100.76	169.91	192.84	95.24	44.11	35.14	44.34	26.44
BATA	1999	14.4	19.53	18.27	66.83	56.02	87.5	84.37	73.93	86.38	85.88	43.4	21.83
BATA	2000	10.52	13.57	16.53	18.91	62.74	80.08	109.42	132.2	94.57	61.44	60.52	26.35
BATA	2001	12.06	7.35	8.86	11.33	41.02	90.26	83.27	148.79	107.23	47.67	51.83	36.83
BATA	2002	10.56	8.08	15.29	38.25	84.48	166.27	133.62	173.38	71.85	34.3	32.73	12.18
BATA	2003	9.65	8.5	14.16	41.3	90.13	73.36	156.56	109.8	75.5	83.39	70.91	42.67
BATA	2004	13.29	9.81	11.41	35.7	142.51	206.98	127.87	163.1	70.89	64.52	48.47	20.57
BATA	2005	13.17	14.76	11.02	34.71	94.03	83.35	85.73	130.26	119.47	73.92	81.95	22.9
BATA	2006	14.9	9.87	27.18	77.08	87.41	173.51	196.09	103.7	50.13	88.99	74.67	28.44
BATA	2007	10.6	7.53	10.3	38.02	61.37	147.55	79.12	100.32	68.42	60.23	45.76	19.1
BATA	2008	12.5	8.79	9.16	13.35	45.25	123.39	155.7	91.59	69.03	47.11	90.63	34.37
BATA	2009	14.21	12.21	13.26	28.06	34.15	67.29	93.7	105.45	54.77	43.49	27.71	10.25
BATA	2010	8.3	5.12	10.96	37.18	71.36	80.35	125.32	72.68	36.81	38.67	59.79	41.33
NEGRO	1963	0.61	1.02	0.71	5.3	8.47	9.69	10	6.63	3.26	3.47	2.04	
NEGRO	1964	1.02	1.02	1.12	4.59	9.28	8.98	9.79	11.83	10.71	2.65	2.86	2.75
NEGRO	1965	2.86	2.35	0.82	2.75	11.32	8.67	15.91	11.83	5.3	3.26	5.71	1.84
NEGRO	1966	1.22	0.92	1.02	2.86	2.35	2.35	5.51	6.02	5.51	3.37	2.75	2.86
NEGRO	1967	2.65	1.43	1.73	5.1	6.63	12.75	15.71	16.42	8.67	3.57	2.86	2.75
NEGRO	1968	2.14	0.82	1.22	9.38	7.45	12.24	20.91	10.71	6.83	5.81	4.08	1.33
NEGRO	1969	1.12	1.22	1.02	4.08	8.36	9.08	12.55	10.1	5.92	5.41	4.59	3.16
NEGRO	1970	1.73	1.84	2.55	6.32	5.61	12.34	11.12	8.06	5.51	7.85	2.86	2.14
NEGRO	1971	1.43	1.53	2.65	4.28	6.94	10.61	13.36	9.18	6.83	3.86	3.76	1.78
NEGRO	1972	2.96	1.73	2.35	4.69	10.61	10.91	12.95	7.85	6.32	2.86	2.45	1.22
NEGRO	1973	0.71	0.61	2.55	1.84	5.92	8.26	8.67	7.75	6.12	4.28	3.67	1.63
NEGRO	1974	1.02	1.12	1.63	4.49	6.32	6.53	10.3	9.28	4.18	3.47	2.04	0.92
NEGRO	1975	0.82	0.61	1.94	2.75	4.9	15.91	7.75	8.16	3.88	3.61	2.95	1.81
NEGRO	1976	0.92	0.82	2.14	4.28	11.42	15.5	16.22	7.04	5	2.56	2.27	1.42
NEGRO	1977	0.51	0.71	1.02	1.94	3.98	9.38	13.26	5.3	6.76	3.84	2.46	1.04
NEGRO	1978	0.51	0.51	0.71	3.47	7.34	10.4	7.24	8.06	4.94	4.35	1.15	1.25
NEGRO	1979	0.41	0.31	0.41	3.26	3.98	6.53	7.65	8.06	2.63	3.78	4.82	3.53
NEGRO	1980	1.22	0.41	1.33	2.04	1.53	6.53	8.26	5.1	7.24	7.14	4.49	1.33
NEGRO	1981	0.61	1.12	1.63	4.08	5.92	8.47	7.96	8.36	5.81	5.81	3.77	2.35
NEGRO	1982	1.33	1.22	1.94	1.84	5.41	7.14	16.63	6.99	6.82	4.24	3.44	2.2
NEGRO	1983	1.22	2.75	3.67	6.02	5	7.24	10.81	10.2	6.73	6.83	3.04	2.8
NEGRO	1984	0.81	2.15	1.2	1.8	4.85	15.02	9.72	8.29	4.8	1.75	3.34	0.84
NEGRO	1985	0.59	0.5	0.53	1.52	7.76	10.38	7.46	5.6	5.91	3.11	1.89	0.67
NEGRO	1986	0.39	0.72	1.5	2.51	6.01	15.52	14.27	7.02	3.17	3.37	1.95	1.38
NEGRO	1987	1.19	3.69	2.52	4.61	6.58	8.47	11.9	7.41	4.55	3.67	2.06	1.64
NEGRO	1988	0.97	0.99	0.76	4.73	5.13	5.77	11.06	3.86	3.29	2.7	2.98	1.51

NEGRO	1989	1.68	1.49	3.29	4.03	9.86	10.92	12.42	5.36	4.03	4.3	3.62	1.83
NEGRO	1990	1.17	1.14	3.17	3.66	9.84	11.94	10.94	5.85	2.91	2.02	2.38	1.94
NEGRO	1991	0.93	1	1.41	2.36	5.18	8.89	16.34	13.27	9.54	4.67	3.04	1.57
NEGRO	1992	1.23	0.68	0.57	3.52	4.55	10.24	13.23	9.4	5.48	3.28	2.68	1.51
NEGRO	1993	1.3	0.63	3.25	4.47	6.42	10.94	14.86	8.27	5.7	4	3.74	2.92
NEGRO	1994	1.4	1.12	2.61	5.9	11.44	12.87	16.72	16.17	6.95	4.27	3.88	1.78
NEGRO	1995	2.63	2.28	2.45	4.06	5.18	7.84	5.62	3.77	3.46	3.23	1.86	1.07
NEGRO	1996	0.68	2.48	2.17	3.81	8.55	9.72	10.46	5.69	4.84	4.78	2.79	3.19
NEGRO	1997	1.21	2.17	1.51	5.44	10.39	7.85	20.51	16.2	6.67	5.48	4.63	2.89
NEGRO	1998	2.48	1.96	1.31	3.21	7.76	10.39	11.31	4.43	2.29	2.9	2.51	1.95
NEGRO	1999	1.53	2.27	1.66	8.13	6.65	7.7	6.2	5.49	4.09	6.67	3.1	1.29
NEGRO	2000	0.94	1.26	1.1	2.21	8.35	7.64	7.65	7.52	4.11	3.94	4.12	2.37
NEGRO	2001	1.58	0.91	1	3.19	6.66	9.75	7.61	9.52	6.62	2.86	3	2.59
NEGRO	2002	0.86	0.72	2.01	5.21	8.88	10.72	12.35	10.39	4.48	1.55	2.55	1.01
NEGRO	2003	0.97	0.8	1.64	4.5	8.56	6.58	9.3	9.6	5.93	4.14	2.78	2.25
NEGRO	2004	0.88	0.78	3.31	5.93	12.83	17.23	10.14	11.2	3.3	2.88	1.99	1.26
NEGRO	2005	1.46	2.99	1.76	5.93	9.28	7.9	8.34	9.28	9.03	4.02	5.08	2.1
NEGRO	2006	1.12	0.78	5.01	8.23	7.32	12.36	12.9	9.08	3.8	4.66	3.78	2.67
NEGRO	2007	1.23	0.87	2.55	4.9	7.84	11.57	5.59	6.23	5.79	4.03	4.58	1.58
NEGRO	2008	1.18	1.03	0.94	1.5	4.75	12.84	13.82	7.52	6.39	4.07	6.59	2.18
NEGRO	2009	1.18	1.12	1.76	2.83	2.49	7.2	7.11	10	4.62	3.17	2.28	0.74
NEGRO	2010	0.87	0.43	1.42	3.88	6.92	6.05	7.95	4.47	3.33	2.44	3.51	2.59
RUCIO	1963	0.31	0.52	0.37	2.71	4.33	4.96	4.64	5.11	3.39	1.67	1.77	1.04
RUCIO	1964	0.52	0.52	0.57	2.35	4.75	4.59	5.01	6.05	5.48	1.36	1.46	1.41
RUCIO	1965	1.46	1.2	0.42	1.41	5.79	4.44	8.14	6.05	2.71	1.67	2.92	0.94
RUCIO	1966	0.63	0.47	0.52	1.46	1.2	1.2	2.82	3.08	2.82	1.72	1.41	1.46
RUCIO	1967	1.36	0.73	0.89	2.61	3.39	6.52	8.04	8.4	4.44	1.83	1.46	1.41
RUCIO	1968	1.1	0.42	0.63	4.8	3.81	6.26	10.7	5.48	3.5	2.97	2.09	0.68
RUCIO	1969	0.57	0.63	0.52	2.09	4.28	4.64	6.42	5.17	3.03	2.77	2.35	1.62
RUCIO	1970	0.89	0.94	1.3	3.24	2.87	6.31	5.69	4.12	2.82	4.02	1.46	1.1
RUCIO	1971	0.73	0.78	1.36	2.19	3.55	5.43	6.84	4.7	3.5	1.98	1.92	0.91
RUCIO	1972	1.51	0.89	1.2	2.4	5.43	5.58	6.63	4.02	3.24	1.46	1.25	0.63
RUCIO	1973	0.37	0.31	1.3	0.94	3.03	4.23	4.44	3.97	3.13	2.19	1.88	0.83
RUCIO	1974	0.52	0.57	0.83	2.3	3.24	3.34	5.27	4.75	2.14	1.77	1.04	0.47
RUCIO	1975	0.42	0.31	0.99	1.41	2.5	8.14	3.97	4.17	1.98	1.85	1.51	0.93
RUCIO	1976	0.47	0.42	1.1	2.19	5.84	7.93	8.3	3.6	2.56	1.31	1.16	0.73
RUCIO	1977	0.26	0.37	0.52	0.99	2.04	4.8	6.78	2.71	3.46	1.97	1.75	0.52
RUCIO	1978	0.32	0.32	0.48	2.41	4.3	6.1	4.13	6.18	3.28	3.63	1.15	0.86
RUCIO	1979	0.53	0.22	0.42	1.8	2.37	5.68	7.07	5.3	2.26	2.23	2.14	2.59
RUCIO	1980	1.13	0.52	1.44	2.88	3.5	4.53	3.71	3.71	2.68	2.37	1.13	0.62
RUCIO	1981	0.52	0.62	1.13	1.55	3.3	4.22	4.33	3.09	2.16	2.37	1.44	1.13
RUCIO	1982	0.52	0.41	0.62	2.68	1.55	1.96	5.97	5.46	2.68	1.34	0.72	0.62
RUCIO	1983	0.52	0.82	1.85	2.88	2.88	3.71	4.84	5.15	2.99	2.68	1.24	2.83
RUCIO	1984	0.33	1.72	0.7	0.77	1.5	5.02	3.17	3.38	2.59	1.17	1.15	0.79
RUCIO	1985	0.38	0.33	0.33	0.49	2.57	6.07	5.99	4.4	3.59	2.59	1.44	1.01
RUCIO	1986	1.74	1.87	2.4	4.16	5.53	7.81	7.42	6.05	3.27	3.36	1.93	1.78
RUCIO	1987	0.85	1.5	1.76	3.3	4.73	6.67	7.31	3.38	2.07	1.54	0.74	0.72
RUCIO	1988	0.5	0.5	0.39	2.42	2.62	2.95	5.66	1.97	1.68	1.38	1.52	0.77
RUCIO	1989	0.57	0.56	0.93	1.14	2.3	1.06	1.21	4.85	6.4	3.73	2.16	1.06
RUCIO	1990	0.6	0.59	1.62	1.87	5.03	6.11	5.6	2.99	1.49	1.04	1.22	0.99
RUCIO	1991	0.48	0.51	0.72	1.21	2.65	4.55	8.36	6.79	4.88	2.39	1.55	0.8
RUCIO	1992	1.03	0.92	0.91	1.86	1.76	3.57	5.34	5.6	3.4	2.64	1.97	1.52
RUCIO	1993	1.61	1.4	2.15	3.09	3.52	3.11	2.79	3.7	4.14	2.9	2.47	2.77
RUCIO	1994	0.72	0.57	1.34	3.02	5.85	6.58	8.55	8.27	3.55	2.18	1.98	0.91
RUCIO	1995	1.35	1.17	1.25	2.08	5.98	1.34	2.18	2.14	0.61	2	2.73	1.71
RUCIO	1996	0.14	0.35	0.48	0.96	6.97	6.86	7.53	2.97	2.25	3.29	2.7	1.51
RUCIO	1997	1.05	1.48	1.34	3.2	2.34	5.43	6.64	5.54	1.79	1.97	1.17	0.69
RUCIO	1998	0.52	0.68	0.84	2.27	3.94	3.36	5.4	3.18	1.8	1.55	0.85	0.5
RUCIO	1999	0.59	0.86	0.85	5.91	2.9	3.69	2.83	3.07	2.02	4.55	3.32	0.84
RUCIO	2000	0.48	0.64	0.56	1.13	4.27	3.91	3.92	3.85	2.1	2.02	2.11	1.21
RUCIO	2001	0.81	0.47	0.51	1.63	3.41	4.99	3.9	4.87	3.39	1.47	1.54	1.33
RUCIO	2002	0.44	0.37	1.03	2.67	4.55	5.49	6.32	5.32	2.29	0.79	1.3	0.52
RUCIO	2003	0.5	0.41	0.84	2.3	4.38	3.37	4.76	4.91	3.04	2.12	1.42	1.15
RUCIO	2004	0.45	0.4	1.7	3.04	6.57	8.82	5.19	5.74	1.69	1.48	1.02	0.65
RUCIO	2005	0.75	1.53	0.9	3.03	4.75	4.04	4.27	4.75	4.62	2.06	2.6	1.07
RUCIO	2006	0.57	0.4	2.57	4.21	3.75	6.33	6.61	4.65	1.95	2.39	1.93	1.37
RUCIO	2007	0.63	0.45	1.3	2.51	4.02	5.92	2.86	3.19	2.96	2.06	2.34	0.81
RUCIO	2008	0.6	0.53	0.48	0.77	2.43	6.57	7.08	3.85	3.27	2.19	3.37	1.11

RUCIO	2009	0.6	0.57	0.9	1.45	1.27	3.69	3.64	5.12	2.37	1.62	1.16	0.38
RUCIO	2010	0.44	0.22	0.73	1.99	3.54	3.1	4.07	2.29	1.7	1.25	1.8	1.32
TUNJITA	1977							18.89	19.31	20.06	11.99	10.1	1.33
TUNJITA	1978	0.75	0.73	3.19	18.33	18.82	21.66	14.27	31.59	14.59	13.45	7.93	3.44
TUNJITA	1979	0.94	0.52	0.88	8.66	12.71	50.18	28.03	19.65	9.3	17.21	14.31	8.86
TUNJITA	1980	1.71	0.88	2.01	9.28	17.22	29.37	29.21	24.32	14.5	10.78	4.69	2.06
TUNJITA	1981	1.17	2.44	3	10.98	12.92	18.22	22.76	12.43	12.66	12.17	8.2	3.37
TUNJITA	1982	2.71	2.09	3.88	14.39	18.19	20.9	18.98	24.28	12.62	12.55	5.49	2.5
TUNJITA	1983	1.72	3.85	7.21	20.88	12.34	10.72	21.67	31.85	12.31	11.01	8.66	5.5
TUNJITA	1984	1.4	7.13	1.16	2.08	6.86	15.92	27.39	25.56	10.64	5.87	8.67	2.39
TUNJITA	1985	0.83	0.51	0.94	5.14	13.1	31.1	19.8	20.6	15.5	10.7	11.4	4.8
TUNJITA	1986	1	3.9	5.5	10.1	13.5	35.08	29.76	15.08	10.8	15.6	6.94	4.85
TUNJITA	1987	0.99	2.06	5.24	10.2	21.16	19.19	21.28	33.13	12.46	9.98	5.26	4.34
TUNJITA	1988	3.57	3.53	2.95	6.11	10.46	21.62	27.6	15.63	12.58	13.1	13.48	6.69
TUNJITA	1989	2.54	1.74	5.7	4.68	17.46	15.48	19.3	12.87	11.34	17.23	17.81	5.56
TUNJITA	1990	2.53	3.39	5.78	9.18	24.62	19.24	23.02	23.41	14.95	18.88	16.17	10.47
TUNJITA	1991	2.13	1.72	3.37	10.18	13.95	15.66	31.16	22.86	17.7	11.24	10.47	2.37
TUNJITA	1992	2.35	2.66	2.35	6.02	10.4	18.14	39.91	23.94	12.2	10.37	11.54	7.07
TUNJITA	1993	5.38	4.82	7.13	11.93	19.92	28.03	26.12	20.56	18.68	10.29	12.15	5.81
TUNJITA	1994	3.58	3.49	7.23	10.18	22.66	18.88	27.64	30.19	29.14	13.62	13.45	7.55
TUNJITA	1995	2.88	2.08	4.67	17.18	13.52	22.61	19.61	15.53	9.79	10.17	7.7	6.5
TUNJITA	1996	0.87	4.43	7.25	5.28	26.98	23.72	23.9	16.9	26.27	13.15	6.04	5.94
TUNJITA	1997	2.25	2.91	1.93	7.66	31.44	11.31	27.85	15.73	7.07	5.03	15.1	1.54
TUNJITA	1998	0.75	0.98	3.37	19.7	22.02	30.88	22.88	13.4	9.06	10.57	6.52	4.72
TUNJITA	1999	1.96	4	4.06	12.07	10.05	13.91	15.76	12.5	11.59	11.22	9.83	3.86
TUNJITA	2000	0.87	1.99	1.98	3.32	15.35	17.03	31.53	20.46	14.37	12.14	8.67	2.77
TUNJITA	2001	1.18	0.56	1.13	3.49	12.78	24.53	17.56	25.65	13.26	9.64	10.46	8.27
TUNJITA	2002	1.5	1.23	2.09	7	14.49	27.01	16.15	19.02	10.5	7.8	5.3	1.78
TUNJITA	2003	0.26	0.06	2.12	7.11	14.45	16.76	26.83	23.22	14.03	14.43	11.39	5.83
TUNJITA	2004	1.6	1.51	2.28	6.67	22.3	40.97	17.49	23.13	10.82	9.17	8.41	3.22
TUNJITA	2005	1.97	2.26	1.05	6.74	17.34	20.16	21.32	21.55	20.27	14.67	17.92	3.99
TUNJITA	2006	3.07	2.06	9.68	13.44	20.14	31.43	23.93	15.7	8.86	15.17	10.53	3.71
TUNJITA	2007	1.79	1.01	2.94	9.08	17.56	20.74	15.38	23.22	16.61	14.91	13.27	4.16
TUNJITA	2008	1.93	1.67	1.83	3.55	13.38	23.29	23.94	12.28	10.58	7.79	13.85	2.65
TUNJITA	2009	1.48	1.91	3.57	6.54	7.2	13.17	12.8	17.98	9.69	8.99	5.78	1.31
TUNJITA	2010	0.77	0.91	2.5	9.44	14.44	14.41	20.73	12.23	4.96	7.05	11.63	7.11

Formato 5. Embalses

NOMBRE	MIN_TECNICO (Mm3)	MAX_TECNICO (Mm3)
LA ESMERALDA	20.68	569.64

Formato 6. Filtraciones

EMBALSE	FILTRACION (m3/s)
LA ESMERALDA	

Formato 7. Curvas de Operación Embalses

EMBALSE	MES	VOLUMEN_ESPERA (Mn3/s)	CURVA_GUIA_MIN (Mn3/s)	CURVA_GUIA_MAX (Mn3/s)
LA ESMERALDA				

Formato 8. Capacidad Arcos de Descarga

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)	FECHA_ENTRADA	FECHA_SALIDA
NEGRO-NEGRO RUCIO	0	30	01/04/1997	
RUCIO-NEGRO RUCIO	0	18.2	01/12/1999	
NEGRO RUCIO-ESMERALDA	0	48.2	01/04/1997	
TUNJITA ESMERALDA	0	40	01/11/1994	

Formato 9. Arco de Bombeo

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)	FECHA_ENTRADA	FECHA_SALIDA
LA ESMERALDA				

Formato 10. Capacidad Máxima Arco Generación

NOMBRE	FLUJO_MIN (m3/s)	FLUJO_MAX (m3/s)
CHIVOR	0	143.01

Formato 11

No reportó información.

Formato 12. Capacidad Túneles Chivor

TUNEL	CAPACIDAD (m3/s)
Tunjita	40
Rucio	18.2
Negro	30

Formato 13. Demanda Acueducto y Riego

NOMBRE	AÑO_T (m3/s)	AÑO_T1 (m3/s)	AÑO_T2 (m3/s)	AÑO_T3 (m3/s)	AÑO_T4 (m3/s)	AÑO_T5 (m3/s)	FACTOR_RECUPERACION
ESMERALDA							

Formato 14

No reportó información.

Formato 15

No reportó información.

Formato 16

No reportó información.

Formato 17

No reportó información.

Formato 18

No reportó información.

Formato 19. Plantas Menores

NOMBRE	CAP_EFECTIVA_NETA (MW)	DISPONIBILIDAD (%)
TUNJITA	19.8	0