

TRAMO Y/O FUENTE HIDRICA SUPERFICIAL	VERTIMIENTO	USUARIO APORTANTE DE CARGAS PUNTUALES (DOMESTICA/NO DOMESTICA)	CRONOCRAMA DE CARGAS CONTAMINANTES 2019-2023									
			AÑO 1 - 2019		AÑO 2- 2020		AÑO 3- 2021		AÑO 4- 2022		AÑO 5- 2023	
			DBO5	SST	DBO5	SST	DBO5	SST	DBO5	SST	DBO5	SST
			META KG/AÑO	META KG/AÑO	META KG/AÑO	META KG/AÑO	META KG/AÑO	META KG/AÑO	META KG/AÑO	META KG/AÑO	META KG/AÑO	META KG/AÑO
TRAMO NO. 10. SUBTRAMO RIO CESAR DESDE N: 10°23'56.14126" W: 73°12'38.106 ANTES DEL VERTIMIENTO CABECERA URBANA DEL MUNICIPIO DE LA PAZ- HASTA N: 10°15'56.9" W:073°16'11.7" CORREGIMIENTO LOS CALABAZOS	CABECERA MUNICIPAL DE VALLEDUPAR	EMDUPAR S.A E.S.P - STAR EL SALGUERO	2.309.363,73	2.022.272,86	2.237.773,45	1.959.582,41	2.168.402,47	1.898.835,35	2.101.182,00	1.839.971,45	2.036.045,36	1.782.932,34
	CABECERA MUNICIPAL DE LA PAZ	(EMPAZ E.S.P)	99.725,31	36.518,12	96.633,83	35.386,06	93.638,18	34.289,09	90.735,40	33.226,13	87.922,60	32.196,12
TOTAL TRAMO			2.409.089,04	2.058.790,99	2.334.407,28	1.994.968,47	2.262.040,65	1.933.124,44	2.191.917,39	1.873.197,58	2.123.967,95	1.815.128,46
TRAMO NO. 14 RIO CESAR -SUBTRAMO RIO LOS CLAVOS	CORREGIMIENTO VALENCIA DE JESUS	MUNICIPIO DE VALLEDUPAR	4.331,53	4.749,55	4.197,25	4.602,32	4.067,13	4.459,65	3.941,05	4.321,40	3.818,88	4.187,43
TOTAL TRAMO			4.331,53	4.749,55	4.197,25	4.602,32	4.067,13	4.459,65	3.941,05	4.321,40	3.818,88	4.187,43
TRAMO NO. 15 RIO CESAR -SUBTRAMO RIO AGUAS BLANCAS	CORREGIMIENTO AGUAS BLANCAS	MUNICIPIO DE VALLEDUPAR	2.132,67	13.329,27	2.066,56	12.916,07	2.002,50	12.515,67	1.940,42	12.127,68	1.880,27	11.751,72
TOTAL TRAMO			2.132,67	13.329,27	2.066,56	12.916,07	2.002,50	12.515,67	1.940,42	12.127,68	1.880,27	11.751,72
TRAMO NO. 16 RIO CESAR -SUBTRAMO RIO MARIANGOLA	CORREGIMIENTO MARIANGOLA	MUNICIPIO DE VALLEDUPAR	1.047,97	465,80	1.015,49	451,36	984,01	437,37	953,50	423,81	923,94	410,67
TOTAL TRAMO			1.047,97	465,80	1.015,49	451,36	984,01	437,37	953,50	423,81	923,94	410,67
TRAMO NO. 17 RIO CESAR -SUBTRAMO CAÑO ZAGARRIGA	CORREGIMIENTO DE LOS VENADOS	MUNICIPIO DE VALLEDUPAR	3.871,93	3.888,50	3.751,90	3.767,96	3.635,59	3.651,15	3.522,89	3.537,96	3.413,68	3.428,29
TOTAL TRAMO			3.871,93	3.888,50	3.751,90	3.767,96	3.635,59	3.651,15	3.522,89	3.537,96	3.413,68	3.428,29
TRAMO NO. 18 RIO CESAR - SUBTRAMO QUEBRADA LA MALENA	CORREGIMIENTO DE PATILLAL	MUNICIPIO DE VALLEDUPAR	4.331,53	4.749,55	4.197,25	4.602,32	4.067,13	4.459,65	3.941,05	4.321,40	3.818,88	4.187,43
TOTAL TRAMO			4.331,53	4.749,55	4.197,25	4.602,32	4.067,13	4.459,65	3.941,05	4.321,40	3.818,88	4.187,43

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TRAMO NO. 19 RIO CESAR -SUBTRAMO CAÑO CANDELA	VERTIMIENTO DOMESTICO DEL INSTITUTO PENITENCIARIO Y CARCELARIO DE ALTA Y MEDIANA SEGURIDAD DE VALLEDUPAR - INPEC	INSTITUTO PENITENCIARIO Y CARCELARIO DE ALTA Y MEDIANA SEGURIDAD DE VALLEDUPAR - INPEC	25.717,68	14.224,41	23.608,83	13.058,01	21.672,90	11.987,25	19.895,73	11.004,30	18.264,28	10.101,94
TOTAL TRAMO			25.717,68	14.224,41	23.608,83	13.058,01	21.672,90	11.987,25	19.895,73	11.004,30	18.264,28	10.101,94
TRAMO NO. 20 VALLEDUPAR GUATAPURI	PTAP VALLEDUPAR	EMDUPAR S.A E.S.P	3.618,83	30.056,05	3.506,64	29.124,32	3.397,94	28.221,46	3.292,60	27.346,60	3.190,53	26.498,85
TOTAL TRAMO			3.618,83	30.056,05	3.506,64	29.124,32	3.397,94	28.221,46	3.292,60	27.346,60	3.190,53	26.498,85
TRAMO NO. 21 MANAURE - RIO MANAURE	CABECERA MUNICIPAL DE MANAURE	ESPUMA E.S.P	62.413,17	58.058,73	57.295,29	53.297,91	52.597,07	48.927,48	48.284,11	44.915,43	44.324,82	41.232,36
	PTAP MANAURE	ESPUMA E.S.P	1.302,79	10.820,18	1.262,40	10.484,76	1.223,27	10.159,73	1.185,35	9.844,78	1.148,60	9.539,59
TOTAL TRAMO			63.715,96	68.878,91	58.557,69	63.782,67	53.820,34	59.087,21	49.469,46	54.760,21	45.473,42	50.771,95
TRAMO NO. 22 PUEBLO BELLO - SUBTRAMO - RIO ARIGUANI	CABECERA MUNICIPAL DE PUEBLO BELLO	EMSEPU E.S.P	31.692,11	20.699,78	30.709,66	20.058,08	29.757,66	19.436,28	28.835,17	18.833,76	27.941,28	18.249,91
TOTAL TRAMO			31.692,11	20.699,78	30.709,66	20.058,08	29.757,66	19.436,28	28.835,17	18.833,76	27.941,28	18.249,91
TRAMO NO. 23 PUEBLO BELLO - SUBTRAMO -RIO ARIGUANICITO	CABECERA MUNICIPAL DE PUEBLO BELLO	EMSEPU E.S.P	76.313,50	6.284,64	73.947,78	6.089,82	71.655,40	5.901,03	69.434,08	5.718,10	67.281,62	5.540,84
	CABECERA MUNICIPAL DE PUEBLO BELLO	EMSEPU E.S.P	18.335,03	3.208,65	17.766,64	3.109,18	17.215,88	3.012,80	16.682,19	2.919,40	16.165,04	2.828,90
TOTAL TRAMO			94.648,53	9.493,29	91.714,42	9.199,00	88.871,28	8.913,83	86.116,27	8.637,50	83.446,66	8.369,74
TRAMO NO. 24 BOSCONIA -CAÑO EL GUAMO	CABECERA MUNICIPAL BOSCONIA	EMPOBOSCONIA E.S.P	49.734,60	61.778,21	48.192,83	59.863,08	46.698,85	58.007,33	45.251,19	56.209,10	43.848,40	54.466,62
	VERTIMIENTO NO DOMESTICO EXTRACTORA PALMARIGUANI S.A.	EXTRACTORA PALMARIGUANI S.A.	7.031,79	7.229,48	6.847,21	7.039,71	6.667,47	6.854,91	6.492,44	6.674,97	6.322,02	6.499,75
TOTAL TRAMO			56.766,39	69.007,69	55.040,04	66.902,79	53.366,32	64.862,24	51.743,63	62.884,07	50.170,42	60.966,37
TRAMO NO. 25 EL COPEY - SUBTRAMO - QUEBRADA EL COPEY	CABECERA MUNICIPAL EL COPEY	EMCOPEY E.S.P	54.471,37	40.338,21	52.782,75	39.087,73	51.146,49	37.876,01	49.560,95	36.701,85	48.024,56	35.564,09

	CORREGIMIENTO DE CHIMILA	MUNICIPIO EL COPEY	2.246,68	1.880,20	2.177,03	1.821,91	2.109,54	1.765,43	2.044,15	1.710,71	1.980,78	1.657,67
TOTAL TRAMO			56.718,05	42.218,41	54.959,79	40.909,64	53.256,03	39.641,44	51.605,10	38.412,56	50.005,34	37.221,77
TRAMO NO.26 AGUSTIN CODAZZI - SUBTRAMO -CAÑO CULEBREAS	CABECERA MUNICIPAL DE AGUSTIN CODAZZI	EMCODAZZI E.S.P	232.690,30	605.491,16	232.690,30	504.576,00	232.690,30	454.118,40	232.690,30	403.660,00	232.690,30	353.203,20
TOTAL TRAMO			232.690,30	605.491,16	232.690,30	504.576,00	232.690,30	454.118,40	232.690,30	403.660,00	232.690,30	353.203,20
TRAMO NO.27 AGUSTIN CODAZZI - SUBTRAMO -RIOCASACARA	CORREGIMIENTO DE CASACARA	MUNICIPIO DE AGUSTIN CODAZZI	8.922,94	8.126,32	8.646,33	7.874,41	8.378,29	7.630,30	8.118,57	7.393,76	7.866,89	7.164,56
TOTAL TRAMO			8.922,94	8.126,32	8.646,33	7.874,41	8.378,29	7.630,30	8.118,57	7.393,76	7.866,89	7.164,56
TRAMO NO.28 AGUSTIN CODAZZI - SUBTRAMO -RIO SICARARE	VERTIMIENTO DOMESTICO PALMAS SICARARE S.A.S	PALMAS SICARARE S.A.S	1.261,00	1.261,00	1.072,00	1.009,00	911,00	807,00	775,00	646,00	658,00	517,00
	VERTIMIENTO NO DOMESTICO EXTRACTORA SICARARE S.A.S	EXTRACTORA SICARARE S.A.S.	19.251,00	16.740,00	16.715,00	13.680,00	14.202,00	10.944,00	1.277,00	8.755,00	10.265,00	7.004,00
TOTAL TRAMO			20.512,00	18.001,00	17.787,00	14.689,00	15.113,00	11.751,00	2.052,00	9.401,00	10.923,00	7.521,00
TRAMO NO.30 BECERRIL -RIO MARACAS	CABECERA MUNICIPAL DE BECERRIL	EMBECERRIL S.A E.S.P	41.662,97	34.045,68	40.371,42	32.990,27	39.119,90	31.967,57	37.907,19	30.976,57	36.732,07	30.016,30
	PTAP BECERRIL	EMBECERRIL S.A E.S.P	1.302,79	10.820,18	1.262,40	10.484,76	1.223,27	10.159,73	1.185,35	9.844,78	1.148,60	9.539,59
	VERTIMIENTO 5	C.I PRODECO S.A	192.054,24	240.067,80	288.449,28	360.561,60	288.449,28	360.561,60	274.026,82	342.533,52	260.325,48	325.442,90
TOTAL TRAMO			235.020,00	284.933,67	330.083,10	404.036,62	328.792,46	402.688,90	313.119,36	383.354,87	298.206,15	364.998,79
TRAMO NO.31 LA JAGUA DE IBIRICO - SUBTRAMO -CAÑO LAVAR	CABECERA MUNICIPAL LA JAGUA DE IBIRICO ZONA SUR	EMPRESA DE SERVICIOS PUBLICOS DE LA JAGUA DE IBIRICO E.S.P A.A.A	132.647,98	156.670,84	122.036,15	144.137,18	106.171,44	125.399,34	92.369,15	109.097,43	84.979,62	100.369,63
TOTAL TRAMO			132.647,98	156.670,84	122.036,15	144.137,18	106.171,44	125.399,34	92.369,15	109.097,43	84.979,62	100.369,63
TRAMO NO. 33 JAGUA IBIRICO - SUBTRAMO - RIO TUCUY	CORREGIMIENTO LA VICTORIA DE SAN ISIDRO	MUNICIPIO DE LA JAGUA DE IBIRICO	4.026,39	5.032,99	3.901,57	4.876,96	3.780,62	4.725,78	3.663,42	4.579,28	3.549,86	4.437,32
	CORREGIMIENTO LAS PALMITAS	MUNICIPIO DE LA JAGUA DE IBIRICO	3.131,61	2.428,12	3.034,53	2.352,85	2.940,46	2.279,91	2.849,31	2.209,23	2.760,98	2.140,75

V4- BOMBEO NORTE	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.	735.835,79	919.794,74	2.669.291,56	3.336.614,45	2.669.291,56	3.336.614,45	2.535.826,98	3.253.199,09	2.409.035,65	3.171.869,11
V5 BOTADERO SANTA FÉ	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.			483.978,40	604.973,00	483.978,40	604.973,00	459.779,50	589.848,60	436.790,50	575.102,40
V6 BOTADERO SANTA FE BABILLA	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.			230.056,08	287.570,10	230.056,08	287.570,10	218.553,27	280.380,84	207.625,61	273.371,32
V3 ACOPIO LAS FLORES	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.			604.210,40	755.263,00	604.210,40	755.263,00	573.999,80	736.381,40	545.299,90	716.971,80
V12 AGUAS RESIDUALES DOMESTICAS	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.			8.514,72	8.514,72	8.514,72	8.514,72	8.301,85	8.301,85	8.094,31	8.094,31
V11- COSTADO NORTE	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.			149.871,13	187.338,91	149.871,13	187.338,91	142.377,57	182.655,44	135.258,69	178.089,05
V7 ORIENTAL	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.			381.740,90	477.176,10	381.740,90	477.176,10	362.653,80	465.246,70	343.521,20	453.615,50

	V9 EL TESORO	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.			243.277,30	304.096,70	243.277,30	304.096,70	231.113,50	296.494,20	219.557,80	289.081,90
	V-10 EL TESORO	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.			23.158,90	28.948,70	23.158,90	28.948,70	22.001,00	28.224,90	20.900,90	27.519,30
TOTAL TRAMO			742.993,79	927.255,85	4.801.035,49	5.997.725,49	4.800.820,48	5.997.501,37	4.561.120,00	5.847.521,53	4.332.395,40	5.700.292,76
TRAMO NO.34 LA JAGUA DE IBIRICO - SUBTRAMO -CAÑO SANTA CRUZ	V-13 (LAGUNA NO 5)	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.	39.513,60	49.392,00	39.513,60	49.392,00	39.513,60	49.392,00	37.537,90	48.157,20	35.661,00	46.953,30
	(CARCAMO TALLER)	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.	630,72	788,40								
	V2 (BOMBEO SUR)	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.	420.475,79	525.594,74	692.831,18	866.038,98	692.831,18	866.038,98	658.189,62	844.388,00	625.280,14	823.278,30
	V1 PALOMO	CONSORCIO MINERO UNIDO S.A., CARBONES EL TESORO S.A., CARBONES DE LA JAGUA S.A.			778.975,10	973.718,80	778.975,10	973.718,80	740.026,30	949.375,90	703.025,00	925.641,50
TOTAL TRAMO			460.620,11	575.775,14	1.511.319,88	1.889.149,78	1.511.319,88	1.889.149,78	1.435.753,82	1.841.921,10	1.363.966,14	1.795.873,10
TRAMO NO.35 EL PASO - SUBTRAMO - CAÑO PAUJIL	CORREGIMIENTO DE BOQUERON	MUNICIPIO DE LA JAGUA IBIRICO	2.557,77	3.126,09	2.478,48	3.029,18	2.401,65	2.935,28	2.327,20	2.844,28	2.255,05	2.756,11

	PISCINA 05, VERTIMIENTO EH27)	DRUMMOND LTD.	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00
TOTAL TRAMO			160.237,77	160.806,09	160.158,48	160.709,18	160.081,65	160.615,28	160.007,20	160.524,28	159.935,05	160.436,11
TRAMO NO.36 EL PASO - SUBTRAMO - CIENAGA SAN MARCOS	CABECERA MUNICIPAL EL PASO	EMPASO E.S.P	48.636,10	37.652,41	47.128,38	36.485,19	45.667,40	35.354,15	44.251,71	34.258,17	42.879,91	33.196,17
TOTAL TRAMO			48.636,10	37.652,41	47.128,38	36.485,19	45.667,40	35.354,15	44.251,71	34.258,17	42.879,91	33.196,17
TRAMO NO. 37 EL PASO - SUBTRAMO - CAÑO PARA LUZ	CORREGIMIENTO LA LOMA DE CALENTURAS	MUNICIPIO DE EL PASO	80.913,73	81.699,88	78.405,40	79.167,18	75.974,84	76.713,00	73.619,62	74.334,90	71.337,41	72.030,51
	VERTIMIENTO H1	CNR III LTD SUCUSRSAL COLOMBIA	68.457,00	78.237,00	67.060,00	76.640,00	65.663,00	75.043,00	63.667,00	72.848,00	61.072,00	69.854,00
	VERTIMIENTO H3	CNR III LTD SUCUSRSAL COLOMBIA	21.180,00	24.890,00	21.340,00	24.385,00	20.890,00	23.877,00	20.257,00	23.179,00	19.432,00	2.226,00
	PISCINA 1A, VERTIMIENTO EH34)- POND 1A	DRUMMOND LTD.	53.224,00	1.229.383,00	53.224,00	1.229.383,00	53.224,00	1.229.383,00	53.224,00	1.229.383,00	53.224,00	1.229.383,00
TOTAL TRAMO			223.774,73	1.414.209,88	220.029,40	1.409.575,18	215.751,84	1.405.016,00	210.767,62	1.399.744,90	205.065,41	1.373.493,51
TRAMO NO.38 EL PASO - SUBTRAMO - CAÑO GARRAPATAS	PISCINA 04, VERTIMIENTO EH16)	DRUMMOND LTD.	217.418,00	1.229.383,00	217.418,00	1.229.383,00	217.418,00	1.229.383,00	217.418,00	1.229.383,00	217.418,00	1.229.383,00
TOTAL TRAMO			217.418,00	1.229.383,00	217.418,00	1.229.383,00	217.418,00	1.229.383,00	217.418,00	1.229.383,00	217.418,00	1.229.383,00
	PISCINA 07, VERTIMIENTO EH23)	DRUMMOND LTD.	144.179,00	1.412.108,00	144.179,00	1.412.108,00	144.179,00	1.412.108,00	144.179,00	1.412.108,00	144.179,00	1.412.108,00
	VERTIMIENTO PVLL0115	DRUMMOND LTD.	18.764,00	325.451,52	18.764,00	325.451,52	18.764,00	325.451,52	18.764,00	325.451,52	18.764,00	325.451,52
	VERTIMIENTO LSAW31	DRUMMOND LTD.	32.550,00	32.550,00	32.550,00	32.550,00	32.550,00	32.550,00	32.550,00	32.550,00	32.550,00	32.550,00
	VERTIMIENTO PVLL0515	DRUMMOND LTD.	201.259,00	2.440.886,40	201.259,00	2.440.886,40	201.259,00	2.440.886,40	201.259,00	2.440.886,40	201.259,00	2.440.886,40
	VERTIMIENTO PVLL0415	DRUMMOND LTD.	56.560,00	2.305.281,60	56.560,00	2.305.281,60	56.560,00	2.305.281,60	56.560,00	2.305.281,60	56.560,00	2.305.281,60
	VERTIMIENTO PVLL0315	DRUMMOND LTD.	46.910,00	813.628,80	46.910,00	813.628,80	46.910,00	813.628,80	46.910,00	813.628,80	46.910,00	813.628,80
	VERTIMIENTO PVLL0215	DRUMMOND LTD.	81.679,00	271.209,60	81.679,00	271.209,60	81.679,00	271.209,60	81.679,00	271.209,60	81.679,00	271.209,60

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TOTAL TRAMO			581.901,00	7.601.115,92	581.901,00	7.601.115,92	581.901,00	7.601.115,92	581.901,00	7.601.115,92	581.901,00	7.601.115,92	
TRAMO NO.40 EL PASO - SUBTRAMO - AROYO EL ZORRO	PISCINA D3, VERTIMIENTO EHD10	DRUMMOND LTD.	141.792,00	5.695.079,00	141.792,00	5.695.079,00	141.792,00	5.695.079,00	141.792,00	5.695.079,00	141.792,00	5.695.079,00	
	POUND D4	DRUMMOND LTD.	2.743.632,00	2.743.632,00	2.743.632,00	2.743.632,00	2.743.632,00	2.743.632,00	2.743.632,00	2.743.632,00	2.743.632,00	2.743.632,00	
	PISCINA D5	DRUMMOND LTD.	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00	157.680,00	
	VERTIMIENTO L2	DRUMMOND LTD.	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	
	VERTIMIENTO L3	DRUMMOND LTD.	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	
	VERTIMIENTO L4	DRUMMOND LTD.	4.122.385,92	4.122.385,92	4.122.385,92	4.122.385,92	4.122.385,92	4.122.385,92	4.122.385,92	4.122.385,92	4.122.385,92	4.122.385,92	4.122.385,92
	VERTIMIENTO PVO314	DRUMMOND LTD.	555.033,60	555.033,60	555.033,60	555.033,60	555.033,60	555.033,60	555.033,60	555.033,60	555.033,60	555.033,60	555.033,60
	VERTIMIENTO PV0614	DRUMMOND LTD.	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00
	VERTIMIENTO ML0802	DRUMMOND LTD.	1.182.600,00	1.182.600,00	1.182.600,00	1.182.600,00	1.182.600,00	1.182.600,00	1.182.600,00	1.182.600,00	1.182.600,00	1.182.600,00	1.182.600,00
TOTAL TRAMO			15.053.904,96	20.607.191,96	15.053.904,96	20.607.191,96	15.053.904,96	20.607.191,96	15.053.904,96	20.607.191,96	15.053.904,96	20.607.191,96	
TRAMO NO.41 EL PASO - SUBTRAMO - CAÑO EL MOCHO	PISCINA D01, VERTIMIENTO EHD04)	DRUMMOND LTD.	94.170,00	2.522.280,00	94.170,00	2.522.280,00	94.170,00	2.522.280,00	94.170,00	2.522.280,00	94.170,00	2.522.280,00	
	VERTIMIENTO 0807	DRUMMOND LTD.	759.386,88	759.386,88	759.386,88	759.386,88	759.386,88	759.386,88	759.386,88	759.386,88	759.386,88	759.386,88	
	VERTIMIENTO ML 0803	DRUMMOND LTD.	1.056.456,00	1.056.456,00	1.056.456,00	1.056.456,00	1.056.456,00	1.056.456,00	1.056.456,00	1.056.456,00	1.056.456,00	1.056.456,00	
	VERTIMIENTO ML0801	DRUMMOND LTD.	1.387.584,00	1.387.584,00	1.387.584,00	1.387.584,00	1.387.584,00	1.387.584,00	1.387.584,00	1.387.584,00	1.387.584,00	1.387.584,00	
TOTAL TRAMO			3.297.596,88	5.725.706,88	3.297.596,88	5.725.706,88	3.297.596,88	5.725.706,88	3.297.596,88	5.725.706,88	3.297.596,88	5.725.706,88	
TRAMO NO.42 EL PASO - SUBTRAMO - RIO CALENTURITAS	VERTIMIENTO NO DOMESTICO PALMAGRO S.A	PALMAGRO S.A	15.887,32	7.146,35	15.470,27	6.958,76	15.064,18	6.776,09	14.668,74	6.598,22	14.283,69	6.425,02	
	VERTIMIENTO V6	C.I PRODECO S.A					466.260,48	582.825,60	442.947,46	553.684,32	420.800,08	526.058,39	
	VERTIMIENTO V7	C.I PRODECO S.A					549.239,04	686.548,80	521.777,09	652.221,36	495.688,23	619.678,95	

	VERTIMIENTO V8	C.I PRODECO S.A						790.272,00	987.840,00	750.758,40	938.448,00	713.220,48	891.624,38
	VERTIMIENTO V10	C.I PRODECO S.A						120.911,62	151.139,52	114.866,04	143.582,54	109.122,73	136.418,53
	VERTIMIENTO V1	CNR I LTD SUCUSRSAL COLOMBIA	22226	25930	21772	25401		21.319,00	24.872,00	20.714,00	24.645,00	20.487,00	23.662,00
	VERTIMIENTO V2	CNR I LTD SUCUSRSAL COLOMBIA	80015	93351	78382	91445		76.750,00	89.540,00	74.570,00	88.725,00	73.755,00	85.186,00
	VERTIMIENTO L12	DRUMMOND LTD	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88		1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88
	VERTIMIENTO L14	DRUMMOND LTD	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88		1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88
	VERTIMIENTO L15	DRUMMOND LTD	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88		1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88
	VERTIMIENTO L9	DRUMMOND LTD	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72		2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72	2.901.942,72
	VERTIMIENTO L10	DRUMMOND LTD	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88		1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88
	VERTIMIENTO L11	DRUMMOND LTD	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88		1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88	1.437.410,88
TOTAL TRAMO			10.207.125,44	10.215.424,47	10.204.621,39	10.212.801,88		12.128.813,43	12.618.539,13	12.029.298,84	12.496.901,56	11.936.354,34	12.378.050,38
TRAMO N.43 EL PASO - SUBTRAMO - CAÑO BORRACHO	CORREGIMIENTO DE CUATRO VIENTOS	MUNICIPIO DE EL PASO	845,90	1.980,92	819,68	1.919,51		794,27	1.860,00	769,65	1.802,34	745,79	1.746,47
	VERTIMIENTO NO DOMESTICO COOLECHERA LTDA	COOLECHERA LTDA	5.748,79	4.316,41	5.570,57	4.182,60		5.397,89	4.052,94	5.230,55	3.927,30	5.068,40	3.805,55
TOTAL TRAMO			6.594,69	6.297,33	6.390,26	6.102,11		6.192,16	5.912,94	6.000,20	5.729,64	5.814,19	5.552,02
TRAMO NO.44 CHIMICHAGUA - SUBTRAMO -CIENAGA DE ZAPATOSA	CABECERA MUNICIPAL CHIMICHAGUA	ACUACHIM E.S.P	49.504,56	33.003,07	47.969,92	31.979,98		46.482,85	30.988,60	45.041,89	30.027,95	43.645,59	29.097,09
	CORREGIMIENTO DE ZAPATOSA	MUNICIPIO DE TAMALAMEQUE	3.343,63	2.779,87	3.239,98	2.693,69		3.139,54	2.610,19	3.042,21	2.529,27	2.947,91	2.450,86
TOTAL TRAMO			52.848,19	35.782,94	51.209,90	34.673,67		49.622,39	33.598,79	48.084,10	32.557,22	46.593,49	31.547,95
TRAMO NO.45 CHIRIGUANA - SUBTRAMO -CIENAGA GRANDE	CABECERA MUNICIPAL	MUNICIPIO DE CHIRIGUANÁ	65.082,90	57.852,20	63.065,32	56.058,80		61.110,30	54.321,00	59.215,90	52.637,00	57.380,20	51.005,30
TOTAL TRAMO			65.082,90	57.852,20	63.065,32	56.058,80		61.110,30	54.321,00	59.215,90	52.637,00	57.380,20	51.005,30

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TRAMO NO.46 CHIRIGUANA - SUBTRAMO -RIO LA MULA	CORREGIMIENTO DE RINCON HONDO	MUNICIPIO DE CHIRIGUANÁ	1.159,70	1.579,86	1.123,75	1.530,88	1.088,91	1.483,42	1.055,16	1.437,44	1.022,45	1.392,88
TOTAL TRAMO			1.159,70	1.579,86	1.123,75	1.530,88	1.088,91	1.483,42	1.055,16	1.437,44	1.022,45	1.392,88
TRAMO NO.47 ASTREA - QUEBRADA ASTREA	CABECERA MUNICIPAL ASTREA	MUNICIPIO DE ASTREA	62.703,42	62.703,42	57.561,74	57.561,74	52.841,68	52.841,68	48.508,66	48.508,66	44.530,95	44.530,95
	CORREGIMIENTO ARJONA	MUNICIPIO DE ASTREA	7.118,86	7.444,63	6.898,17	7.213,85	6.684,33	6.990,22	6.477,11	6.773,52	6.276,32	6.563,54
	MATADERO CORREGIMIENTO ARJONA	MUNICIPIO DE ASTREA	7.883,59	6.961,59	7.639,20	6.745,78	7.402,38	6.536,66	7.172,91	6.334,02	6.950,55	6.137,67
TOTAL TRAMO			77.705,87	77.109,64	72.099,11	71.521,37	66.928,39	66.368,56	62.158,68	61.616,21	57.757,82	57.232,16
TRAMO NO.48 CURUMANI- SUBTRAMO -CAÑO SAN IGNACIO	CABECERA MUNICIPAL CURUMANI	ACUACUR E.S.P	35.108,03	70.216,07	34.019,68	68.039,37	32.965,07	65.930,15	31.943,16	63.886,31	30.952,92	61.905,84
TOTAL TRAMO			35.108,03	70.216,07	34.019,68	68.039,37	32.965,07	65.930,15	31.943,16	63.886,31	30.952,92	61.905,84
TRAMO NO.49 CURUMANI- SUBTRAMO -QUEBRADA SAN PEDRO	CORREGIMIENTO DE SAN ROQUE	MUNICIPIO DE CURUMANI	14.567,56	14.973,57	14.115,96	14.509,39	13.678,37	14.059,60	13.254,34	13.623,75	12.843,46	13.201,41
TOTAL TRAMO			14.567,56	14.973,57	14.115,96	14.509,39	13.678,37	14.059,60	13.254,34	13.623,75	12.843,46	13.201,41
TRAMO NO.50 PAILITAS- SUBTRAMO - ARROYO HONDO	CABECERA MUNICIPAL PAILITAS	EMSERPUPA E.S.P	60.671,03	57.299,88	58.790,23	55.523,58	56.967,73	53.802,35	55.201,73	52.134,48	53.490,48	50.518,31
	PTAP PAILITAS	EMSERPUPA E.S.P	1.302,79	10.820,18	1.262,40	10.484,76	1.223,27	10.159,73	1.185,35	9.844,78	1.148,60	9.539,59
TOTAL TRAMO			61.973,82	68.120,06	60.052,63	66.008,34	58.191,00	63.962,08	56.387,08	61.979,26	54.639,08	60.057,90
TRAMO NO.51 PAILITAS- SUBTRAMO - CIENAGA CASCAJO	CORREGIMIENTO DE PALESTINA	MUNICIPIO DE PAILITAS	8.089,50	6.067,10	7.838,73	5.879,02	7.595,73	5.696,77	7.360,26	5.520,17	7.132,09	5.349,05
TOTAL TRAMO			8.089,50	6.067,10	7.838,73	5.879,02	7.595,73	5.696,77	7.360,26	5.520,17	7.132,09	5.349,05
TRAMO NO.52 TAMALAMEQUE- SUBTRAMO -CAÑO PATON	CABECERA MUNICIPAL TAMALAMEQUE	MUNICIPIO DE TAMALAMEQUE	14.081,31	9.680,89	13.644,79	9.380,78	13.221,80	9.089,98	12.811,93	8.808,19	12.414,76	8.535,14
TOTAL TRAMO			14.081,31	9.680,89	13.644,79	9.380,78	13.221,80	9.089,98	12.811,93	8.808,19	12.414,76	8.535,14
TRAMO NO. 53 TAMALAMEQUE- SUBTRAMO -CIENAGA EL TOTUMITO	CORREGIMIENTO DE ATENQUERA	MUNICIPIO DE TAMALAMEQUE	780,34	2.035,97	756,15	1.972,85	732,70	1.911,69	709,99	1.852,43	687,98	1.795,00
TOTAL TRAMO			780,34	2.035,97	756,15	1.972,85	732,70	1.911,69	709,99	1.852,43	687,98	1.795,00

TRAMO NO.54 PELAYA- SUBTRAMO - QUEBRADA LA DAMA	CABECERA MUNICIPAL DE PELAYA	EMSOPEL E.S.P	50.444,74	54.485,09	48.880,95	52.796,05	47.365,64	51.159,37	45.897,31	49.573,43	44.474,49	48.036,66
TOTAL TRAMO			50.444,74	54.485,09	48.880,95	52.796,05	47.365,64	51.159,37	45.897,31	49.573,43	44.474,49	48.036,66
TRAMO NO.55 PELAYA- SUBTRAMO - CIENAGA SHAYA	CORREGIMIENTO DE COSTILLA	MUNICIPIO DE PELAYA	3.055,84	3.055,84	2.961,11	2.961,11	2.869,31	2.869,31	2.780,36	2.780,36	2.694,17	2.694,17
	CORREGIMIENTO SAN BERNARDO DE VIENTO	MUNICIPIO DE PELAYA	476,75	250,29	461,97	242,53	447,65	235,02	433,77	227,73	420,32	220,67
TOTAL TRAMO			3.532,59	3.306,13	3.423,08	3.203,64	3.316,96	3.104,33	3.214,14	3.008,09	3.114,50	2.914,84
TRAMO NO.56 AGUACHICA- SUBTRAMO -CAÑO EL PITAL	CABECERA MUNICIPAL DE AGUACHICA	E.S.P DE AGUACHICA S.A	138.170,65	197.601,96	135.987,56	194.479,85	131.771,94	188.450,98	134.407,38	192.220,00	137.095,53	196.064,40
TOTAL TRAMO			138.170,65	197.601,96	135.987,56	194.479,85	131.771,94	188.450,98	134.407,38	192.220,00	137.095,53	196.064,40
TRAMO NO.57 AGUACHICA- SUBTRAMO -CAÑO EL CRISTO	CABECERA MUNICIPAL DE AGUACHICA	E.S.P DE AGUACHICA S.A	129.837,04	194.896,99	121.060,05	181.721,67	123.481,26	185.356,10	123.728,22	189.063,23	126.202,78	192.844,49
TOTAL TRAMO			129.837,04	194.896,99	121.060,05	181.721,67	123.481,26	185.356,10	123.728,22	189.063,23	126.202,78	192.844,49
TRAMO NO.58 AGUACHICA- SUBTRAMO - CAÑO EL HORMIGUERO	VERTIMIENTO NO DOMESTICO FRESKALECHE S.A	FRESKALECHE S.A	17.142,00	10.343,00	16.960,30	10.022,50	16.434,50	9.711,80	15.925,10	9.410,70	15.431,00	9.116,00
	VERTIMIENTO NO DOMESTICO FRIGORIFICO AGUACHICA	FRIGORÍFICO AGUACHICA	9.918,00	11.129,80	9.422,00	10.573,00	8.951,00	10.045,00	8.504,00	9.542,00	8.078,00	9.065,00
TOTAL TRAMO			27.060,00	21.472,80	26.382,30	20.595,50	25.385,50	19.756,80	24.429,10	18.952,70	23.509,00	18.181,00
TRAMO NO.60 GAMARRA- SUBTRAMO -CAÑO PATON	CABECERA MUNICIPAL DE GAMARRA	EMPUGAM E.S.P	17310,42	21390,42	15579,37	19251,37	14301,86	17672,76	13129,11	16223,59	13129,11	16223,59
	(SECTOR ORIENTAL- BARRIOS DESPUES DEL PTE)	MUNICIPIO DE GAMARRA	2427,5388	3410,2986	2352,285097	3304,579343	2279,364259	3202,137384	2208,703967	3102,871125	2140,234144	3006,68212
TOTAL TRAMO			19.737,96	24.800,72	17.931,66	22.555,95	16.581,22	20.874,90	15.337,81	19.326,46	15.269,34	19.230,27
TRAMO NO.61 GAMARRA- SUBTRAMO -CIENAGA VAQUERO	CORREGIMIENTO DE CAPULCO	MUNICIPIO DE GAMARRA	2.427,56	3.410,30	2.352,30	3.304,58	2.279,38	3.202,14	2.208,72	3.102,87	2.140,25	3.006,68
	MATADERO MUNICIPAL	MUNICIPIO DE GAMARRA	2.720,11	3.296,54	2.635,79	3.194,35	2.554,08	3.095,32	2.474,91	2.999,37	2.398,18	2.906,39

TOTAL TRAMO			5.147,67	6.706,84	4.988,09	6.498,92	4.833,46	6.297,46	4.683,63	6.102,24	4.538,43	5.913,07
TRAMO NO.62 LA GLORIA- SUBTRAMO -CAÑO AMARO	CABECERA MUNICIPAL LA GLORIA	(EMPOGLORIA E.S.P)	21.866,16	11.766,57	21.188,31	11.401,80	20.531,47	11.048,35	19.895,00	10.705,85	19.278,25	10.373,97
TOTAL TRAMO			21.866,16	11.766,57	21.188,31	11.401,80	20.531,47	11.048,35	19.895,00	10.705,85	19.278,25	10.373,97
TRAMO NO.63 LA GLORIA- SUBTRAMO -RIO SIMAÑA	CORREGIMIENTO DE SIMAÑA	MUNICIPIO DE LA GLORIA	3.593,63	3.292,08	3.482,23	3.190,03	3.374,28	3.091,14	3.269,68	2.995,31	3.168,32	2.902,46
TOTAL TRAMO			3.593,63	3.292,08	3.482,23	3.190,03	3.374,28	3.091,14	3.269,68	2.995,31	3.168,32	2.902,46
TRAMO NO.64 LA GLORIA- SUBTRAMO -CAÑO AZUFRE	CORREGIMIENTO DE BESOTE	MUNICIPIO DE LA GLORIA	7.118,95	6.945,31	6.898,26	6.730,00	6.684,42	6.521,37	6.477,20	6.319,21	6.276,41	6.123,31
TOTAL TRAMO			7.118,95	6.945,31	6.898,26	6.730,00	6.684,42	6.521,37	6.477,20	6.319,21	6.276,41	6.123,31
TRAMO NO.65 LA GLORIA- SUBTRAMO -CIENAGA MORLAES	CORREGIMIENTO DE MOLINA	MUNICIPIO DE LA GLORIA	2.026,37	525,78	1.963,56	509,48	1.902,69	493,69	1.843,70	478,38	1.786,55	463,55
TOTAL TRAMO			2.026,37	525,78	1.963,56	509,48	1.902,69	493,69	1.843,70	478,38	1.786,55	463,55
TRAMO NO.66 LA GLORIA- SUBTRAMO -QUEBRADA CUARÉ	CORREGIMIENTO DE AYACUCHO	MUNICIPIO DE LA GLORIA	7.480,68	6.820,60	7.248,78	6.609,16	7.024,07	6.404,27	6.806,32	6.205,74	6.595,32	6.013,36
TOTAL TRAMO			7.480,68	6.820,60	7.248,78	6.609,16	7.024,07	6.404,27	6.806,32	6.205,74	6.595,32	6.013,36
TRAMO NO.68 SAN MARTIN- SUBTRAMO -QUEBRADA LA RAYITA	CABECERA MUNICIPAL DE SAN MARTIN	APCES E.S.P	48702,89	37918,68	46267,75	36022,75	43954,36	34221,61	41756,64	32510,53	39668,81	36885
TOTAL TRAMO			48.702,89	37.918,68	46.267,75	36.022,75	43.954,36	34.221,61	41.756,64	32.510,53	39.668,81	36.885,00
TRAMO NO.69 SAN MARTIN- SUBTRAMO -QUEBRADA BARLOVENTO	CABECERA MUNICIPAL DE SAN MARTIN	APCES E.S.P	22350,3726	29232,5982	21657,51105	28326,38766	20986,12821	27448,26964	20335,55823	26597,37328	19705,15593	25772,85471
TOTAL TRAMO			22.350,37	29.232,60	21.657,51	28.326,39	20.986,13	27.448,27	20.335,56	26.597,37	19.705,16	25.772,85
TRAMO NO.70 SAN MARTIN- SUBTRAMO -QUEBRADA LA ROSITA	VERTIMIENTO NO DOMESTICOS PALMAS DEL CESAR S.A	PALMAS DEL CESAR S.A	54.873,00	36.708,00	52.980,00	35.383,00	51.088,00	34.059,00	49.196,00	32.640,00	47.304,00	32.177,00
TOTAL TRAMO			54.873,00	36.708,00	52.980,00	35.383,00	51.088,00	34.059,00	49.196,00	32.640,00	47.304,00	32.177,00
TRAMO NO.72 SAN MARTIN- SUBTRAMO -RIO TORCOROMA	CORREGIMIENTO DE AGUAS BLANCAS	MUNICIPIO DE SAN MARTIN	4.998,59	2.585,78	4.843,63	2.505,62	4.693,48	2.427,94	4.547,98	2.352,68	4.406,99	2.279,74
TOTAL TRAMO			4.998,59	2.585,78	4.843,63	2.505,62	4.693,48	2.427,94	4.547,98	2.352,68	4.406,99	2.279,74

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TRAMO NO.73 SAN ALBERTO- SUBTRAMO -RIO SAN ALBERTO	CABECERA MUNICIPAL SAN ALBERTO	(EMPOSANAL E.S.P)	58.296,98	56.841,54	56.489,77	55.079,45	54.738,59	53.371,99	53.041,69	51.717,46	51.397,40	50.114,22
	MATADERO MUNICIPAL	MUNICIPIO DE SAN ALBERTO	240,52	661,18	234,20	643,82	228,05	626,92	222,07	610,46	216,24	594,44
TOTAL TRAMO			58.537,49	57.502,72	56.723,97	55.723,27	54.966,64	53.998,91	53.263,76	52.327,92	51.613,64	50.708,66
TRAMO NO.74 SAN ALBERTO- SUBTRAMO -QUEBRADA LA LLANA	CORREGIMIENTO LA LLANA	MUNICIPIO DE SAN ALBERTO	2.776,19	3.094,02	2.690,12	2.998,10	2.606,73	2.905,16	2.525,92	2.815,10	2.447,62	2.727,83
TOTAL TRAMO			2.776,19	3.094,02	2.690,12	2.998,10	2.606,73	2.905,16	2.525,92	2.815,10	2.447,62	2.727,83
TRAMO NO.75 SAN ALBERTO- SUBTRAMO -QUEBRADA LA BURRA	VERTIMIENTO NO DOMESTICO ENFRIADORA LA GLORIA	ENFRIADORA LA GLORIA LTD	3.724,59	785,82	3.626,82	765,19	3.531,62	745,10	3.438,91	725,54	3.348,64	706,50
TOTAL TRAMO			3.724,59	785,82	3.626,82	765,19	3.531,62	745,10	3.438,91	725,54	3.348,64	706,50
TRAMO NO.78 RIO DE ORO- RIO DE ORO	CABECERA MUNICIPAL DE RIO DE ORO	EMCAR E.S.P	21.376,17	17.546,87	19.719,52	16.186,99	18.191,25	14.932,50	16.781,43	13.775,23	15.480,87	12.707,65
TOTAL TRAMO			21.376,17	17.546,87	19.719,52	16.186,99	18.191,25	14.932,50	16.781,43	13.775,23	15.480,87	12.707,65
TRAMO NO.80 GONZALEZ- QUEBRADA GONZALEZ	CABECERA MUNICIPAL GONZALEZ	MUNICIPIO DE GONZALEZ	7.855,09	8.378,15	7.246,32	7.728,84	6.684,73	7.129,85	6.166,66	6.577,29	5.688,75	6.067,55
TOTAL TRAMO			7.855,09	8.378,15	7.246,32	7.728,84	6.684,73	7.129,85	6.166,66	6.577,29	5.688,75	6.067,55
TRAMO NO.81 SANDIEGO- SUBTRAMO - RIO CHIRIAIMO	CORREGIMIENTO DE SAN JOSE DE ORIENTE	MUNICIPIO DE LA PAZ	9.576,83	19.535,37	9.325,44	19.022,57	9.080,65	18.523,23	8.842,28	18.036,99	8.610,17	17.563,52
	PTAP LA PAZ	EMPAZ E.S.P	1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
	PTAP SAN DIEGO	EMPOSANDIEGO E.S.P	1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
TOTAL TRAMO			12.195,19	41.281,82	11.875,06	40.198,17	11.563,34	39.142,97	11.259,80	38.115,47	10.964,23	37.114,94
RIO TORCOROMA	PTAP SAN MARTIN	APCES E.S.P	1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
TOTAL TRAMO			1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
RIO MAGIRIAIMO	PTAP AGUSTIN CODAZZI	EMCODAZZI E.S.P	1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71

TOTAL TRAMO			1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
QUEBRADA SINGARARE	PTAP PELAYA	EMSOPEL E.S.P	1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
TOTAL TRAMO			1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
RIO BUTURAMA	PTAP AGUACHICA	E.S.P DE AGUACHICA S.A	1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
TOTAL TRAMO			1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
QUEBRADA LA TOMA	PTAP RIO DE ORO	EMCAR E.S.P	1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
TOTAL TRAMO			1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
QUEBRADA CUNDINA	PTAP GONZALEZ	MUNICIPIO DE GONZALEZ	1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
TOTAL TRAMO			1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
RIO MAGDALEGNA	PTAP GAMARRA	EMPUGAM E.S.P	1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
TOTAL TRAMO			1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
QUEBRADA SAN PEDRO	PTAP CURUMANI	ACUACUR E.S.P	1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
TOTAL TRAMO			1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
	PTAP EL COPEY	EMCOPEY E.S.P	1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
TOTAL TRAMO			1.309,18	10.873,22	1.274,81	10.587,80	1.241,35	10.309,87	1.208,76	10.039,24	1.177,03	9.775,71
ARROYO CAIMANCITO	VERTIMIENTO 1	C.I PRODECO S.A	63.650,16	85.448,16	68.358,53	85.448,16	68.358,53	85.448,16	64.940,60	81.175,75	61.693,57	77.125,51
	VERTIMIENTO 2	C.I PRODECO S.A	58.044,67	72.555,84	68.748,63	85.937,04	68.748,63	85.937,04	65.312,15	81.640,19	62.046,54	77.566,77
	VERTIMIENTO 3	C.I PRODECO S.A					33.981,70	42.477,12	32.282,61	40.353,26	30.668,48	38.339,85
	VERTIMIENTO 4	C.I PRODECO S.A					56.109,31	70.136,64	53.303,85	66.629,81	50.638,65	63.305,33
	VERTIMIENTO 9	C.I PRODECO S.A					85.744,51	107.180,64	81.457,29	101.821,61	77.384,42	96.741,25

	VERTIMIENTO ML 0809	DRUMMOND LTD	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56
	VERTIMIENTO ML0806	DRUMMOND LTD	2.402.917,06	2.402.917,06	2.402.917,06	2.402.917,06	2.402.917,06	2.402.917,06	2.402.917,06	2.402.917,06	2.402.917,06	2.402.917,06
TOTAL TRAMO			4.857.014,45	4.893.323,62	4.872.426,77	4.906.704,82	5.048.262,29	5.126.499,22	5.032.616,11	5.106.940,23	5.017.751,28	5.088.398,32
RIO SICARARE	VERTIMIENTO L1	DRUMMOND LTD	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88
TOTAL TRAMO			5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88	5.505.554,88
RIO CESAR	VERTIMIENTO L5	DRUMMOND LTD	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64
TOTAL TRAMO			2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64	2.278.160,64
ARROYO LAS ANIMAS	VERTIMIENTO RH-0113	DRUMMOND LTD	32.167,00	32.167,00	32.167,00	32.167,00	32.167,00	32.167,00	32.167,00	32.167,00	32.167,00	32.167,00
	VERTIMIENTO RHO313	DRUMMOND LTD	96.500,00	804.168,00	96.500,00	804.168,00	96.500,00	804.168,00	96.500,00	804.168,00	96.500,00	804.168,00
	VERTIMIENTO RH0413	DRUMMOND LTD	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60
	VERTIMIENTO RH0513	DRUMMOND LTD	2.440.886,40	2.440.886,40	2.440.886,40	2.440.886,40	2.440.886,40	2.440.886,40	2.440.886,40	2.440.886,40	2.440.886,40	2.440.886,40
	VERTIMIENTO RH0413	DRUMMOND LTD	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60	2.305.281,60
	VERTIMIENTO RH0713	DRUMMOND LTD	813.628,80	813.628,80	813.628,80	813.628,80	813.628,80	813.628,80	813.628,80	813.628,80	813.628,80	813.628,80
TOTAL TRAMO			7.993.745,40	8.701.413,40	7.993.745,40	8.701.413,40	7.993.745,40	8.701.413,40	7.993.745,40	8.701.413,40	7.993.745,40	8.701.413,40
CAÑO CAIMAN	VERTIMIENTO ML0808	DRUMMOND LTD	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56
TOTAL TRAMO			2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56	2.332.402,56
CAÑO TAMASUCAL	VERTIMIENTO ML0805	DRUMMOND LTD	2.169.676,80	2.169.676,80	2.169.676,80	2.169.676,80	2.169.676,80	2.169.676,80	2.169.676,80	2.169.676,80	2.169.676,80	2.169.676,80
CAÑO EL PLATANAL	VERTIMIENTO PV0814	DRUMMOND LTD	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00	346.896,00
	VERTIMIENTO PV-0714	DRUMMOND LTD	819.936,00	819.936,00	819.936,00	819.936,00	819.936,00	819.936,00	819.936,00	819.936,00	819.936,00	819.936,00
	VERTIMIENTO PV0514	DRUMMOND LTD	160.833,60	160.833,60	160.833,60	160.833,60	160.833,60	160.833,60	160.833,60	160.833,60	160.833,60	160.833,60

	VERTIMIENTO PV0214	DRUMMOND LTD	842.011,20	842.011,20	842.011,20	842.011,20	842.011,20	842.011,20	842.011,20	842.011,20	842.011,20	842.011,20
CAÑO MUÑOZ	VERTIMIENTO RH 0613	DRUMMOND LTD	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80
TOTAL TRAMO			1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80	1.491.652,80
ARROYO MATA AZUL	VERTIMIENTO RH0213	DRUMMOND LTD	32.167,00	268.056,00	32.167,00	268.056,00	32.167,00	268.056,00	32.167,00	268.056,00	32.167,00	268.056,00
TOTAL TRAMO			53.288.582,06	55.012.425,39	53.319.406,71	55.039.187,79	53.671.077,75	55.478.776,59	53.639.785,38	55.439.658,63	53.610.055,73	55.402.574,81
CAÑO CAIMAN	PLANTA AYACUCHO	CENIT TRANSPORTE Y LOGISTICA DE HIDROCARBUROSS.A.S	368,27	407,45	368,27	407,45	368,27	407,45	368,27	407,45	368,27	407,45
	CAMPO TISQUIRAMA	ECOPETROL S.A.S	8.195,28	2.045,74	8.195,28	2.045,74	8.195,28	2.045,74	8.195,28	2.045,74	8.195,28	2.045,74
TOTAL TRAMO			8.195,28	2.045,74	8.195,28	2.045,74	8.195,28	2.045,74	8.195,28	2.045,74	8.195,28	2.045,74
CAÑO CALARCA	CAMPO TISQUIRAMA	ECOPETROL S.A.S	8.195,28	2.045,74	8.195,28	2.045,74	8.195,28	2.045,74	8.195,28	2.045,74	8.195,28	2.045,74
TOTAL TRAMO			8.195,28	2.045,74	8.195,28	2.045,74	8.195,28	2.045,74	8.195,28			
CAÑO SAN LORENZO	E..D.S RAFAEL	E.D.S RAFAEL	2.191,91	2.386,66	2.134,37	2.324,01	2.078,35	2.263,01	2.023,79	2.203,60	1.970,67	2.145,76
TOTAL TRAMO			8.563,55	2.453,19	8.563,55	2.453,19	8.563,55	2.453,19	8.563,55	2.453,19	8.563,55	2.453,19