

AUTORIDAD NACIONAL DE LOS SERVICIOS PUBLICOS (ASEP)
DIRECCION NACIONAL DE ELECTRICIDAD, AGUA POTABLE Y ALCANTARILLADO SANITARIO
ANALISIS DEL VOLUMEN PRODUCIDO VS. VOLUMEN FACTURADO DE AGUA POTABLE DEL IDAAN POR REGION POR LOS AÑOS 1999-2001
(EN MILLARES DE GALONES)

REGION	1999				2000				2001			
	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA
TOTAL	100,312,174	55,452,338	44.7	274,827.874	103,577,283	58,924,929	43.1	283,773.378	104,026,024	59,163,456	43.1	285,002.805
ARRAJAN	3,685,946	2,082,940	43.5	10,098.482	3,885,356	2,821,744	27.4	10,644.811	3,720,984	3,185,277	14.4	10,194.477
BOCAS DEL TORO	401,896	207,228	48.4	1,101.085	338,397	220,885	34.7	927.115	466,347	201,435	56.8	1,277.663
COCLE	3,033,082	1,930,713	36.3	8,309.814	3,168,632	1,997,429	37.0	8,681.184	3,235,487	2,078,008	35.8	8,864.348
COLON	12,750,843	6,030,872	52.7	34,933.816	13,286,030	5,723,913	56.9	36,400.082	13,710,575	5,758,087	58.0	37,563.219
CHIRIQUI	12,147,983	5,579,707	54.1	33,282.145	12,434,402	5,621,208	54.8	34,066.855	12,025,564	5,569,132	53.7	32,946.751
PANAMA ESTE Y DARIE	756,806	495,173	34.6	2,073.441	752,980	459,778	38.9	2,062.959	753,356	484,382	35.7	2,063.989
HERRERA	2,980,005	1,894,499	36.4	8,164.397	2,882,621	1,989,150	31.0	7,897.592	3,104,446	2,139,925	31.1	8,505.332
LOS SANTOS	1,333,581	1,201,244	9.9	3,653.647	1,515,698	1,283,494	15.3	4,152.597	1,427,805	1,337,043	6.4	3,911.795
PANAMA METRO	55,497,283	31,759,793	42.8	152,047.351	57,349,027	33,885,745	40.9	157,120.622	57,783,324	33,686,378	41.7	158,310.477
PANAMA OESTE	5,328,369	2,567,347	51.8	14,598.271	5,590,870	3,135,919	43.9	15,317.452	5,447,376	2,743,005	49.6	14,924.318
VERAGUAS	2,396,380	1,702,822	28.9	6,565.425	2,373,270	1,785,664	24.8	6,502.110	2,350,760	1,980,784	15.7	6,440.438

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ANALISIS DEL VOLUMEN PRODUCIDO VS. VOLUMEN FACTURADO DE AGUA POTABLE DEL IDAAN POR REGION POR LOS AÑOS 2002-2004
(EN MILLARES DE GALONES)

REGION	2002				2003				2004			
	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA
TOTAL	107,796,720	62,746,877	41.8	295,333.479	115,782,478	64,603,236	44.2	317,212.268	122,230,315	68,827,700	43.7	334,877.575
ARRAJAN	5,267,000	3,645,540	30.8	14,430.137	8,181,697	3,921,210	52.1	22,415.608	8,636,010	4,388,158	49.2	23,660.301
BOCAS DEL TORO	395,100	202,668	48.7	1,082.466	316,584	215,416	32.0	867.353	360,000	274,258	23.8	986.301
COCLE	3,245,500	2,297,097	29.2	8,891.781	3,486,150	2,377,022	31.8	9,551.096	3,505,879	2,560,448	27.0	9,605.148
COLON	14,096,300	5,703,564	59.5	38,620.000	14,651,835	5,591,406	61.8	40,142.014	15,255,778	6,048,368	60.4	41,796.652
CHIRIQUI	12,268,900	5,884,167	52.0	33,613.425	13,289,202	5,854,955	55.9	36,408.773	13,745,106	6,093,923	55.7	37,657.825
PANAMA ESTE Y DARIE	691,800	563,652	18.5	1,895.342	786,704	561,300	28.7	2,155.353	831,749	641,385	22.9	2,278.764
HERRERA	3,164,700	2,502,363	20.9	8,670.411	3,339,228	2,572,247	23.0	9,148.570	3,436,029	2,711,476	21.1	9,413.778
LOS SANTOS	1,340,700	1,290,331	3.8	3,673.151	1,365,137	1,308,497	4.1	3,740.101	1,411,568	1,399,340	0.9	3,867.310
PANAMA METRO	59,250,920	35,264,726	40.5	162,331.288	62,756,474	36,598,929	41.7	171,935.545	67,274,230	38,645,171	42.6	184,312.959
PANAMA OESTE	5,539,700	3,097,429	44.1	15,177.260	4,942,337	3,158,611	36.1	13,540.649	4,826,986	3,396,898	29.6	13,224.619
VERAGUAS	2,536,100	2,295,340	9.5	6,948.219	2,667,130	2,443,643	8.4	7,307.205	2,946,980	2,668,275	9.5	8,073.918

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ANALISIS DEL VOLUMEN PRODUCIDO VS. VOLUMEN FACTURADO DE AGUA POTABLE DEL IDAAN POR REGION POR LOS AÑO 2005-2007
(EN MILLARES DE GALONES)

REGION	2005				2006				2007			
	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA
TOTAL	125,418,400	71,010,300	43.4	343,612.055	131,547,056	76,749,116	41.7	360,402.893	147,263,158	81,136,994	44.9	403,460.707
ARRAJAN	9,191,822	4,471,693	51.4	25,183.074	10,180,641	4,825,993	52.6	27,892.167	11,236,079	5,178,650	53.9	30,783.778
BOCAS DEL TORO	243,240	226,667	6.8	666.411	2,678,841	489,165	81.7	7,339.290	4,873,750	1,050,795	78.4	13,352.740
COCLE	3,521,027	2,538,595	27.9	9,646.649	3,782,592	2,875,955	24.0	10,363.266	3,912,910	3,133,514	19.9	10,720.301
COLON	15,936,805	6,091,043	61.8	43,662.479	18,352,563	6,604,610	64.0	50,280.995	15,757,820	6,872,198	56.4	43,172.110
CHIRIQUI	14,224,153	6,125,015	56.9	38,970.282	14,403,181	6,606,797	54.1	39,460.770	12,414,897	6,927,201	44.2	34,013.416
PANAMA ESTE Y DARIE	825,133	614,711	25.5	2,260.638	873,641	655,670	24.9	2,393.537	965,138	676,423	29.9	2,644.214
HERRERA	3,466,532	2,757,385	20.5	9,497.348	3,382,204	2,688,356	20.5	9,266.312	3,410,899	2,569,656	24.7	9,344.929
LOS SANTOS	1,497,425	1,521,375	-1.6	4,102.534	2,006,446	1,844,929	8.0	5,497.112	2,875,447	2,055,650	28.5	7,877.937
PANAMA METRO	68,705,752	40,266,598	41.4	188,234.937	67,994,622	43,260,318	36.4	186,286.636	82,276,515	45,409,270	44.8	225,415.110
PANAMA OESTE	4,579,107	3,695,744	19.3	12,545.499	4,667,031	3,970,182	14.9	12,786.386	5,112,255	4,198,227	17.9	14,006.178
VERAGUAS	3,227,404	2,701,474	16.3	8,842.203	3,225,294	2,927,141	9.2	8,836.422	4,427,448	3,065,410	30.8	12,129.995

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ANALISIS DEL VOLUMEN PRODUCIDO VS. VOLUMEN FACTURADO DE AGUA POTABLE DEL IDAAN POR REGION POR LOS AÑO 2008-2010
(EN MILLARES DE GALONES)

REGION	2008				2009				2010			
	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA
TOTAL	143,313,454	83,827,947	41.5	392,639,600	148,218,392	88,175,569	40.5	406,077.786	155,612,875	88,650,885	43.0	426,336.644
ARRAJAN	10,535,366	5,385,178	48.9	28,864.016	11,342,093	5,645,762	50.2	31,074.227	12,450,495	5,699,999	54.2	34,110.945
BOCAS DEL TORO	5,329,718	1,179,317	77.9	14,601.967	4,295,180	1,146,521	73.3	11,767.616	3,109,692	1,175,862	62.2	8,519.704
COCLE	4,053,350	2,722,776	32.8	11,105.068	4,303,695	3,420,866	20.5	11,790.945	4,861,869	3,405,948	29.9	13,320.189
COLON	14,977,630	6,944,101	53.6	41,034.603	16,247,351	6,814,863	58.1	44,513.290	17,502,708	6,724,091	61.6	47,952.625
CHIRIQUI	14,630,954	7,019,290	52.0	40,084.805	14,666,986	7,295,618	50.3	40,183.523	14,785,863	7,283,226	50.7	40,509.214
PANAMA ESTE Y DARIE	954,832	693,904	27.3	2,615.978	1,009,805	927,738	8.1	2,766.589	1,144,754	720,207	37.1	3,136.312
HERRERA	3,689,040	2,645,238	28.3	10,106.959	3,361,219	3,014,230	10.3	9,208.819	3,421,407	2,788,125	18.5	9,373.718
LOS SANTOS	3,018,500	2,104,523	30.3	8,269.863	2,920,294	2,195,267	24.8	8,000.805	2,990,217	2,238,675	25.1	8,192.375
PANAMA METRO	76,214,823	47,552,085	37.6	208,807.734	80,271,081	48,792,453	39.2	219,920.770	82,781,163	50,342,017	39.2	226,797.707
PANAMA OESTE	5,872,787	4,385,012	25.3	16,089.827	5,174,598	4,498,785	13.1	14,176.981	8,044,811	4,837,878	39.9	22,040.578
VERAGUAS	4,036,454	3,196,523	20.8	11,058.778	4,626,090	4,423,466	4.4	12,674.219	4,519,896	3,434,857	24.0	12,383.277

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ANALISIS DEL VOLUMEN PRODUCIDO VS. VOLUMEN FACTURADO DE AGUA POTABLE DEL IDAAN POR REGION POR LOS AÑO 2011 - 2013
(EN MILES DE GALONES)

REGION	2011				2012				2013			
	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA
TOTAL	156,009,805	90,062,641	42.3	427,424.123	177,558,212	92,858,649	47.7	486,460.855	193,464,360	96,229,210	50.3	530,039.342
ARRAJAN	12,168,673	5,962,703	51.0	33,338.830	12,159,164	6,278,498	48.4	33,312.778	11,918,842	6,657,890	44.1	32,654.362
BOCAS DEL TORO	2,701,795	1,219,479	54.9	7,402.178	3,377,515	1,293,165	61.7	9,253.466	4,899,628	1,348,933	72.5	13,423.638
COCLE	4,507,987	3,393,136	24.7	12,350.649	5,060,560	3,552,623	29.8	13,864.548	5,174,499	3,724,703	28.0	14,176.710
COLON	15,660,770	7,044,412	55.0	42,906.219	15,498,533	7,214,245	53.5	42,461.734	17,855,076	7,128,293	60.1	48,918.016
CHIRIQUI	14,078,076	7,720,126	45.2	38,570.071	14,577,227	8,106,687	44.4	39,937.608	14,752,471	8,342,630	43.4	40,417.729
PANAMA E.Y DARIEN	1,231,844	748,765	39.2	3,374.915	1,877,276	792,444	57.8	5,143.222	2,101,904	998,634	52.5	5,758.641
HERRERA	3,471,898	2,857,081	17.7	9,512.049	3,582,972	3,012,350	15.9	9,816.362	3,578,591	3,155,357	11.8	9,804.359
LOS SANTOS	2,941,780	2,308,634	21.5	8,059.671	3,022,130	2,379,168	21.3	8,279.808	3,028,625	2,554,438	15.7	8,297.603
PANAMA METRO	82,252,559	50,067,629	39.1	225,349.477	98,093,266	50,886,228	48.1	268,748.674	109,389,952	52,501,742	52.0	299,698.499
PANAMA OESTE	13,097,360	5,230,426	60.1	35,883.178	14,350,008	5,617,211	60.9	39,315.090	15,019,963	5,892,993	60.8	41,150.584
VERAGUAS	3,897,063	3,510,250	9.9	10,676.885	5,959,561	3,726,030	37.5	16,327.564	5,744,809	3,923,597	31.7	15,739.203

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ANALISIS DEL VOLUMEN PRODUCIDO VS. VOLUMEN FACTURADO DE AGUA POTABLE DEL IDAAN POR REGION POR LOS AÑO 2014-2016
(EN MILES DE GALONES)

REGION	2014				2015				2016			
	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA
TOTAL	194,643,789	100,158,991	48.5	533,270.655	197,170,823	103,460,535	47.5	540,194.036	200,678,545	106,936,536	46.7	548,302.036
ARRAJAN	11,995,092	6,951,598	42.0	32,863.266	13,181,407	7,133,100	45.9	36,113.444	13,725,660	7,524,235	45.2	37,501.803
BOCAS DEL TORO	4,758,571	1,391,236	70.8	13,037.181	5,125,032	1,453,607	71.6	14,041.184	4,683,518	1,673,065	64.3	12,796.497
COCLE	5,334,842	3,952,334	25.9	14,616.005	5,414,868	4,023,544	25.7	14,835.255	5,386,088	4,014,914	25.5	14,716.087
COLON	17,783,541	7,229,245	59.3	48,722.030	16,661,655	7,156,310	57.0	45,648.370	16,680,052	7,719,655	53.7	45,573.913
CHIRIQUI	16,766,451	8,480,773	49.4	45,935.482	16,860,885	8,853,288	47.5	46,194.205	15,983,454	9,089,097	43.1	43,670.639
PANAMA E.Y DARIEN	2,156,363	1,076,538	50.1	5,907.844	2,285,607	1,097,725	52.0	6,261.937	2,508,925	1,087,350	56.7	6,854.986
HERRERA	4,033,219	3,290,895	18.4	11,049.915	3,812,519	3,354,543	12.0	10,445.258	3,784,227	3,385,560	10.5	10,339.418
LOS SANTOS	3,081,312	2,635,438	14.5	8,441.951	3,020,373	2,709,570	10.3	8,274.995	2,928,310	2,794,963	4.6	8,000.847
PANAMA METRO	108,213,072	54,773,065	49.4	296,474.170	110,444,681	56,555,812	48.8	302,588.167	114,010,519	57,792,579	49.3	311,504.150
PANAMA OESTE	15,027,302	6,257,517	58.4	41,170.690	15,444,239	6,848,269	55.7	42,312.984	15,557,080	7,444,484	52.1	42,505.683
VERAGUAS	5,494,024	4,120,352	25.0	15,052.121	4,919,557	4,274,767	13.1	13,478.238	5,430,712	4,410,634	18.8	14,838.011

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 ANALISIS DEL VOLUMEN PRODUCIDO VS. VOLUMEN FACTURADO DE AGUA POTABLE DEL IDAAN POR REGION PARA EL AÑO 2017-2019
 (EN MILES DE GALONES)

REGION	2017				2018				2019			
	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA
TOTAL	200,400,016	107,631,496	46.3	549,041.140	189,841,150	112,295,389	40.8	520,112.739	185,400,803	113,980,355	38.5	507,947.405
ARRAJAN	14,887,827	7,903,406	46.9	40,788.567	15,154,055	8,054,560	46.8	41,517.959	14,345,760	8,299,768	42.1	39,303.451
BOCAS DEL TORO	5,394,986	1,823,948	66.2	14,780.784	5,297,092	1,941,423	63.3	14,512.581	5,930,005	1,998,996	66.3	16,246.589
COCLE	4,621,648	4,167,747	9.8	12,662.049	5,222,740	4,299,485	17.7	14,308.877	5,885,430	4,377,632	25.6	16,124.466
COLON	17,656,353	7,564,125	57.2	48,373.570	18,346,909	7,981,252	56.5	50,265.504	17,283,189	7,896,892	54.3	47,351.203
CHIRIQUI	15,932,028	9,172,837	42.4	43,649.392	16,241,901	9,223,958	43.2	44,498.358	13,018,797	9,343,694	28.2	35,667.937
PANAMA E.Y DARIEN	2,499,850	1,128,178	54.9	6,848.904	2,475,017	1,181,710	52.3	6,780.869	2,475,302	1,191,109	51.9	6,781.649
HERRERA	3,486,989	3,445,325	1.2	9,553.395	3,692,350	3,557,113	3.7	10,116.027	3,776,473	3,669,362	2.8	10,346.501
LOS SANTOS	3,012,641	2,839,669	5.7	8,253.811	3,130,524	2,926,281	6.5	8,576.778	3,266,562	2,980,647	8.8	8,949.485
PANAMA METRO	111,929,274	57,115,340	49.0	306,655.545	97,918,243	60,071,350	38.7	268,269.159	96,246,014	60,561,319	37.1	263,687.709
PANAMA OESTE	15,529,926	7,919,559	49.0	42,547.742	16,638,450	8,353,024	49.8	45,584.795	17,454,317	8,768,290	49.8	47,820.045
VERAGUAS	5,448,494	4,551,362	16.5	14,927.381	5,723,869	4,705,233	17.8	15,681.833	5,718,955	4,892,646	14.4	15,668.370

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 ANALISIS DEL VOLUMEN PRODUCIDO VS. VOLUMEN FACTURADO DE AGUA POTABLE DEL IDAAN POR REGION PARA EL AÑO 2021
 (EN MILES DE GALONES)

REGION	2020				2021			
	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA	PRODUCCION	FACTURACION	% DE PERDIDA O AGUA NO CONTABILIZADA	PRODUCCION DIARIA
TOTAL	190,464,448	114,391,858	39.9	521,820,405				
ARRAJAN	16,762,168	8,368,121	50.1	45,923,748				
BOCAS DEL TORO	6,134,784	2,017,350	67.1	16,807,627				
COCLE	5,841,132	4,351,834	25.5	16,003,101				
COLON	17,917,984	8,170,588	54.4	49,090,367				
CHIRIQUI	13,141,199	9,416,047	28.3	36,003,285				
PANAMA E.Y DARIEN	2,615,045	1,194,888	54.3	7,164,507				
HERRERA	3,763,293	3,639,741	3.3	10,310,392				
LOS SANTOS	3,273,017	2,988,968	8.7	8,967,170				
PANAMA METRO	98,851,893	60,319,551	39.0	270,827,104				
PANAMA OESTE	16,411,846	8,990,112	45.2	44,963,962				
VERAGUAS	5,752,087	4,934,658	14.2	15,759,142				

NOTA: 1- Incluye pérdida físicas y comerciales. Año 2020 completo

Fuente: ASEP, con datos suministrados por el prestador al mes de julio 2021

Nota: Actualizado el 06 de diciembre de 2021