

ANALIZA SI PROGNOZA CERERII DE APA SI APA UZATA PENTRU OPERATORUL COMPANIA DE APA ARAD SA

		13.164.224	13.500.736	13.479.246	6.720	6.301	5.127	3.955	3.036	2.119	1.202	-
Proгноza cererii		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
		-3	-2	-1	0	1	2	3	4	5	6	7
Populatie inregistrata in aria de operare cu servicii de apa, din care:	nr. locuitori	413.899	358.649	355.995	355.283	354.572	353.863	353.156	352.449	351.744	351.041	350.339
In mediul urban	nr. locuitori	251.012	209.114	207.567	207.152	206.738	206.324	205.911	205.500	205.089	204.678	204.269
In mediul rural	nr. locuitori	162.887	149.535	148.428	148.131	147.835	147.539	147.244	146.950	146.656	146.362	146.070
Populatie inregistrata in aria de operare cu servicii de canalizare-epurare, din care:	nr. locuitori	413.899	358.649	355.995	355.283	354.572	353.863	353.156	352.449	351.744	351.041	350.339
In mediul urban	nr. locuitori	251.012	209.114	207.567	207.152	206.738	206.324	205.911	205.500	205.089	204.678	204.269
In mediul rural	nr. locuitori	162.887	149.535	148.428	148.131	147.835	147.539	147.244	146.950	146.656	146.362	146.070
Factor de prognoza a populatiei	%		-13,35%	-0,74%	-0,20%	-0,20%	-0,20%	-0,20%	-0,20%	-0,20%	-0,20%	-0,20%
Populatia conectata la servicii de apa, din care:	nr. locuitori	288.072	290.065	290.602	290.617	290.627	292.147	293.667	297.664	300.209	301.223	327.713
In mediul urban	nr. locuitori	200.748	200.554	200.424	200.432	200.437	201.197	201.957	202.463	202.970	203.476	204.269
In mediul rural	nr. locuitori	87.324	89.511	90.178	90.185	90.190	90.950	91.710	95.201	97.240	97.746	123.444
Gradul de conectare la servicii de apa, din care:	%	69,60%	80,88%	81,63%	81,80%	81,97%	82,56%	83,16%	84,46%	85,35%	85,81%	93,54%
In mediul urban	%	79,98%	95,91%	96,56%	96,76%	96,95%	97,51%	98,08%	98,52%	98,97%	99,41%	100,00%
In mediul rural	%	53,61%	59,86%	60,76%	60,88%	61,01%	61,64%	62,28%	64,78%	66,30%	66,78%	84,51%
Cantitatea facturata de apa la consumatori casnici (populatie), din care:	m3/an	10.547.159	10.641.008	10.533.285	10.426.049	10.549.369	10.673.925	10.799.313	10.979.977	11.071.868	11.108.942	12.057.791
In mediul urban	m3/an	7.595.202	7.515.078	7.347.160	7.317.321	7.389.102	7.453.834	7.518.843	7.574.654	7.593.607	7.612.560	7.642.217
In mediul rural	m3/an	2.951.957	3.125.930	3.186.125	3.108.728	3.160.267	3.220.091	3.280.469	3.405.323	3.478.261	3.496.382	4.415.574
Consumul individual de apa		98	99	99	97	99	99	100	100	100	100	100
In mediul urban	litri/persona/zi	103,66	102,66	100,43	100,02	101,00	101,50	102,00	102,50	102,50	102,50	102,50
In mediul rural	litri/persona/zi	92,62	95,68	96,80	94,44	96,00	97,00	98,00	98,00	98,00	98,00	98,00
Populatia conectata la servicii de canalizare, din care:	nr. locuitori	205.627	206.111	207.572	207.572	209.385	218.456	233.041	241.562	245.564	249.569	262.697
In mediul urban	nr. locuitori	189.715	189.560	189.547	189.547	189.841	190.552	191.206	191.621	191.824	192.029	204.269
In mediul rural	nr. locuitori	15.912	16.551	18.025	18.025	19.545	27.903	41.835	49.941	53.740	57.540	58.428
Gradul de conectare la servicii de canalizare, din care:	%	49,68%	57,47%	58,31%	58,42%	59,05%	61,73%	65,99%	68,54%	69,81%	71,09%	74,98%
In mediul urban	%	75,58%	90,65%	91,32%	91,50%	91,83%	92,36%	92,86%	93,25%	93,53%	93,82%	100,00%
In mediul rural	%	9,77%	11,07%	12,14%	12,17%	13,22%	18,91%	28,41%	33,98%	36,64%	39,31%	40,00%
Cantitatea facturata de apa uzata la consumatori casnici (populatie), din care:	m3/an	7.707.994	7.703.429	7.524.665	7.411.776	7.607.915	8.008.416	8.575.784	8.931.037	9.122.735	9.270.443	9.662.997
In mediul urban	m3/an	7.121.595	7.091.724	6.874.376	6.781.994	6.894.540	6.989.942	7.048.809	7.099.094	7.141.610	7.149.248	7.530.380
In mediul rural	m3/an	586.399	611.705	650.289	629.782	713.375	1.018.475	1.526.974	1.831.943	1.981.126	2.121.194	2.132.618
Volum de apa uzata generat individual		102	102	99	97	100	100	101	101	102	102	101
In mediul urban	litri/persona/zi	102,84	102,50	99,36	98,03	99,50	100,50	101,00	101,50	102,00	102,00	101,00
In mediul rural	litri/persona/zi	100,97	101,26	98,84	95,73	100,00	100,00	100,00	100,50	101,00	101,00	100,00
Consumul de apa la consumatori comerciali	m3/an	2.617.065	2.859.728	2.945.962	2.793.305	2.811.720	2.811.720	2.811.720	2.811.720	2.811.720	2.811.720	2.811.720
In mediul urban	m3/an	2.198.052	2.370.661	2.375.563	2.313.659	2.330.526	2.330.526	2.330.526	2.330.526	2.330.526	2.330.526	2.330.526
In mediul rural	m3/an	419.013	489.067	570.399	479.646	481.194	481.194	481.194	481.194	481.194	481.194	481.194
Variatia consumului de apa	%	n/a	9,27%	3,02%	-5,18%	0,66%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
In mediul urban	%	n/a	7,85%	0,21%	-2,61%	0,73%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
In mediul rural	%	n/a	16,72%	16,63%	-15,91%	0,32%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Volumul de apa uzata la consumatori comerciali	m3/an	2.180.012	2.248.750	2.529.214	2.267.275	2.267.275	2.267.275	2.267.275	2.267.275	2.267.275	2.267.275	2.267.275
In mediul urban	m3/an	2.065.042	2.142.167	2.413.477	2.143.231	2.143.231	2.143.231	2.143.231	2.143.231	2.143.231	2.143.231	2.143.231
In mediul rural	m3/an	114.969	106.583	115.737	124.044	124.044	124.044	124.044	124.044	124.044	124.044	124.044

Variatia consumului de apa	%	n/a	3,15%	12,47%	-10,36%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
In mediul urban	%	n/a	3,73%	12,67%	-11,20%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
In mediul rural	%	n/a	-7,29%	8,59%	7,18%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
<b>VOLUM TOTAL DE APA FACTURAT</b>	<b>m3/an</b>	<b>13.164.224</b>	<b>13.500.736</b>	<b>13.479.246</b>	<b>13.219.354</b>	<b>13.361.088</b>	<b>13.485.644</b>	<b>13.611.032</b>	<b>13.791.697</b>	<b>13.883.587</b>	<b>13.920.661</b>	<b>14.869.511</b>
Variatia volumului total de apa facturata	%	n/a	2,56%	-0,16%	-1,93%	1,07%	0,93%	0,93%	1,33%	0,67%	0,27%	6,82%
<b>VOLUM TOTAL DE APA UZATA FACTURAT</b>	<b>m3/an</b>	<b>9.888.006</b>	<b>9.952.180</b>	<b>10.053.879</b>	<b>9.679.050</b>	<b>9.875.190</b>	<b>10.275.691</b>	<b>10.843.058</b>	<b>11.198.312</b>	<b>11.390.010</b>	<b>11.537.717</b>	<b>11.930.272</b>
Variatia volumului total de apa facturata	%	n/a	0,65%	1,02%	-3,73%	2,03%	4,06%	5,52%	3,28%	1,71%	1,30%	3,40%
<b>Eficienta operatorii sistemelor de apa</b>												
Cantitatea totala de apa facturata	m3/an	13.164.224	13.500.736	13.479.246	13.219.354	13.361.088	13.485.644	13.611.032	13.791.697	13.883.587	13.920.661	14.869.511
Cantitatea totala de apa intrata in sistem (apa bruta, apa importata, etc.)	m3/an	23.237.417	23.178.257	22.305.283	21.515.619	21.221.304	20.367.761	19.060.205	17.634.020	17.352.156	17.400.827	18.586.889
Pierderi totala, din care:	m3/an	<b>10.073.193</b>	<b>9.677.521</b>	<b>8.826.037</b>	<b>8.296.265</b>	<b>7.860.215</b>	<b>6.882.117</b>	<b>5.449.173</b>	<b>3.842.324</b>	<b>3.468.569</b>	<b>3.480.165</b>	<b>3.717.378</b>
Pierderi in procesul de productie (consum tehnologic)	m3/an	1.607.769	1.658.029	1.699.938	1.639.490	1.617.063	1.552.023	1.452.388	1.343.712	1.322.234	1.325.943	1.416.321
Pierderi in procesul de transport si distributie	m3/an	8.465.424	8.019.492	7.126.099	6.656.774	6.243.152	5.330.094	3.996.785	2.498.611	2.146.334	2.154.222	2.301.057
Lungimea totala a retelelor de apa	km	2302,44	2309,07	2331,12	2334,32	2353,62	2483,777	2.707,79	2.785,04	2.849,84	2.912,91	2.922,91
Pierderi totale	%	43,3%	41,8%	39,57%	38,6%	37,0%	33,8%	28,6%	21,8%	20,0%	20,0%	20,0%
Pierderi in procesul de productie (proces tehnologic)	%	6,9%	7,2%	7,6%	7,6%	7,6%	7,6%	7,6%	7,6%	7,6%	7,6%	7,6%
Pierderi in procesul de transport si distributie	%	36,4%	34,6%	31,9%	30,9%	29,4%	26,2%	21,0%	14,2%	12,4%	12,4%	12,4%
Pierderi in procesul de transport si distributie	m3/km/zi	10,07	9,52	8,38	7,81	7,27	5,88	4,04	2,46	2,06	2,03	2,16
<b>Eficienta operatorii sistemelor de apa uzata</b>												
Cantitatea totala de apa uzata facturata	m3/an	9.888.006	9.952.180	10.053.879	9.679.050	9.875.190	10.275.691	10.843.058	11.198.312	11.390.010	11.537.717	11.930.272
Cantitatea totala neta de infiltratii/ exfiltratii	m3/an	615.566	808.750	678.795	695.066	709.151	737.911	778.655	804.166	817.932	828.539	856.729
Cantitate totala de apa uzata canalizata	m3/an	<b>10.503.571</b>	<b>10.760.930</b>	<b>10.732.674</b>	<b>10.374.116</b>	<b>10.584.340</b>	<b>11.013.602</b>	<b>11.621.713</b>	<b>12.002.478</b>	<b>12.207.942</b>	<b>12.366.256</b>	<b>12.787.001</b>
Lungime totala retele de canalizare	km	1.167	1.218	1.236	1.236	1.268	1.413	1.693	1.795	1.849	1.904	2.004
Nivel infiltratii nete in reseaua de canalizare	%	5,9%	7,5%	6,3%	6,7%	6,7%	6,7%	6,7%	6,7%	6,7%	6,7%	6,7%
Nivel infiltratii nete in reseaua de canalizare	m3/km/zi	1,4	1,8	1,5	1,5	1,5	1,4	1,3	1,2	1,2	1,2	1,2