

### PRECIOS EN PESOS

Precios del 22-nov-19	Moneda de cotización	TIREA	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio		Vencimiento
				Monto	%					Renta	Amortización	

#### BONOS DENOMINADOS EN DÓLARES - COTIZACIÓN EN PESOS <sup>(a)</sup>

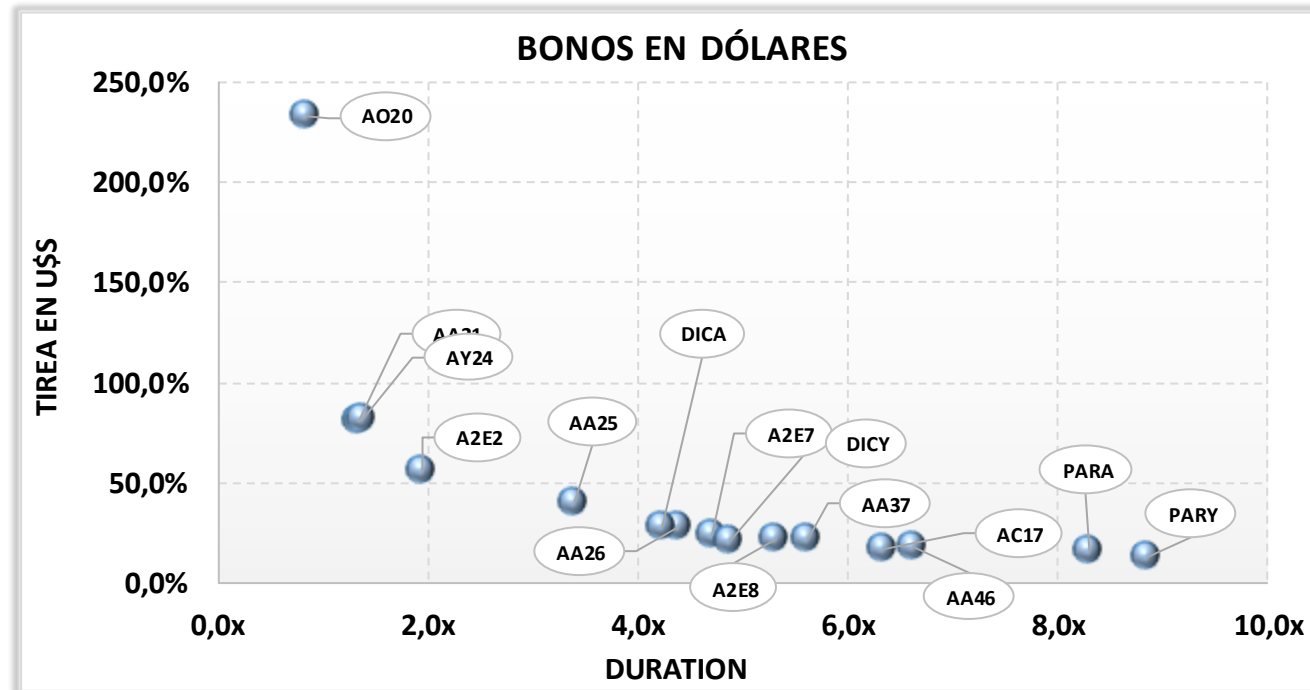
A020	2.809,00	pesos	169,00%	0,8x	100,00	100,00%	1,07	101,07	46,32%	8,000%	8-abr-2020	4,00	8-oct-2020	100,00	8-oct-2020
AA21	3.368,00	pesos	65,05%	1,3x	100,00	100,00%	0,65	100,65	55,77%	6,875%	22-abr-2020	3,44	22-abr-2021	100,00	22-abr-2021
AY24	2.470,00	pesos	60,36%	1,5x	83,34	83,34%	0,38	83,72	49,17%	8,750%	7-may-2020	3,65	7-may-2020	16,66	7-may-2024
A2E2	3.400,00	pesos	41,60%	2,0x	100,00	100,00%	1,88	101,88	55,62%	5,625%	26-ene-2020	2,81	26-ene-2022	100,00	26-ene-2022
AA25	2.625,00	pesos	32,42%	3,5x	100,00	100,00%	0,61	100,61	43,49%	5,750%	18-abr-2020	2,88	18-abr-2023	33,00	18-abr-2025
AA26	3.314,00	pesos	21,63%	4,6x	100,00	100,00%	0,71	100,71	54,84%	7,500%	22-abr-2020	3,75	22-abr-2026	100,00	22-abr-2026
A2E7	3.350,00	pesos	19,88%	5,0x	100,00	100,00%	2,29	102,29	54,58%	6,875%	26-ene-2020	3,44	26-ene-2027	100,00	26-ene-2027
A2E8	3.175,00	pesos	18,18%	5,6x	100,00	100,00%	2,20	102,20	51,78%	5,875%	11-ene-2020	2,94	11-ene-2028	100,00	11-ene-2028
DICA	4.390,00	pesos	22,85%	4,7x	140,20	100,00%	4,71	144,91	50,49%	8,280%	31-dic-2019	5,80	30-jun-2024	7,01	31-dic-2033
DICY	5.675,00	pesos	16,70%	5,3x	140,20	100,00%	4,71	144,91	65,27%	8,280%	31-dic-2019	5,80	30-jun-2024	7,01	31-dic-2033
AA37	2.800,00	pesos	18,76%	6,4x	100,00	100,00%	0,80	100,80	46,29%	7,625%	18-abr-2020	3,81	18-abr-2035	33,00	18-abr-2037
PARA	2.640,00	pesos	13,15%	8,9x	100,00	100,00%	0,58	100,58	43,74%	3,750%	31-mar-2020	1,88	30-sep-2029	5,00	31-dic-2038
AA46	3.350,00	pesos	14,64%	7,7x	100,00	100,00%	0,72	100,72	55,43%	7,625%	22-abr-2020	3,81	22-abr-2046	100,00	22-abr-2046
AC17	3.390,00	pesos	13,73%	7,6x	100,00	100,00%	2,93	102,93	54,89%	7,125%	28-dic-2019	3,56	28-jun-2117	100,00	28-jun-2117

#### NOTAS Y ACLARACIONES:

Las cotizaciones corresponden a las de BYMA de plazo 48hs. Si no cotizó en ese mercado se toma el del MAE. Si no cotizó en ningún mercado se tome el último cierre.

Si una especie no cotizó en una de las monedas, se toma la cotización en la otra moneda corregida por el tipo de cambio BNA prom. C/V. Los cálculos de indicadores corresponden al 26.11.2019

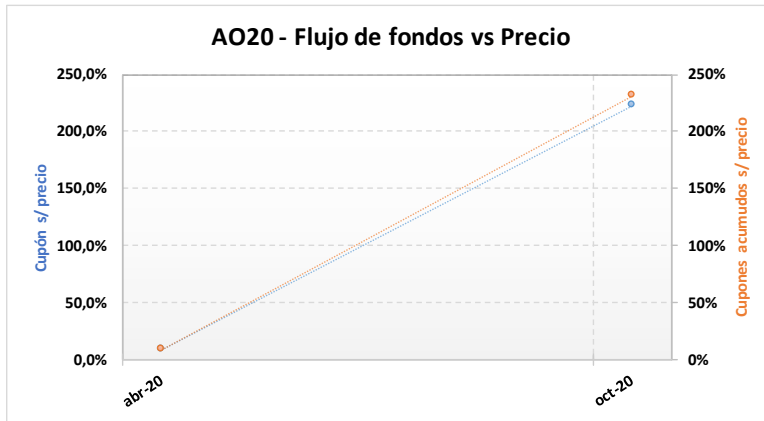
(a) Tipo de cambio BNA Prom. C/V: **\$/u\$s 60,00** La TIR está expresada en u\$s.



### AO20 – Bonar 2020

Precio del	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio			Vencimiento	
				Monto	%					Renta	Amortización			
2.809,00	pesos	169,00%	0,84x	100,00	100,00%	1,07	101,07	46,32%	8,000%	8-abr-2020	4,00	8-oct-2020	100,00	8-oct-2020

Tipo de cambio simulado: 60,00

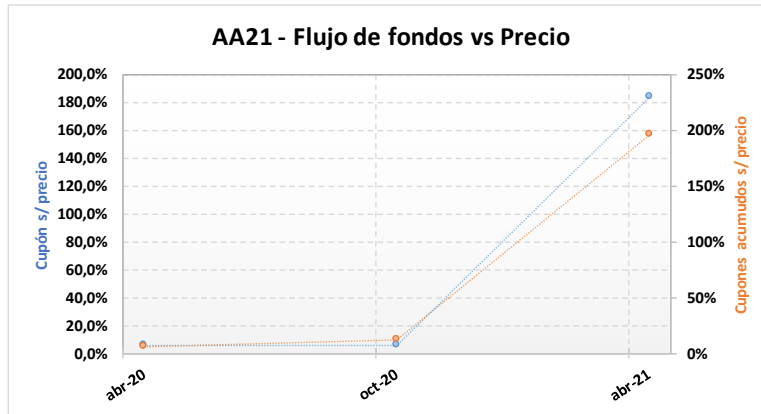


- AO20 - SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		2.735	2.750	2.765	2.780	2.795	2.809,00	2.825	2.840	2.855	2.870	2.885
TIPO DE CAMBIO SIMULADO	57,50	163,96%	162,24%	160,55%	158,88%	157,22%	<b>155,69%</b>	153,97%	152,37%	150,79%	149,23%	147,69%
	57,75	165,33%	163,60%	161,90%	160,22%	158,55%	<b>157,02%</b>	155,29%	153,68%	152,09%	150,53%	148,97%
	58,00	166,70%	164,96%	163,25%	161,56%	159,89%	<b>158,35%</b>	156,60%	154,99%	153,39%	151,82%	150,26%
	58,25	168,07%	166,33%	164,60%	162,90%	161,22%	<b>159,67%</b>	157,92%	156,30%	154,70%	153,11%	151,54%
	58,50	169,44%	167,69%	165,96%	164,25%	162,56%	<b>161,00%</b>	159,24%	157,61%	156,00%	154,41%	152,83%
	58,75	170,81%	169,05%	167,31%	165,60%	163,90%	<b>162,33%</b>	160,56%	158,92%	157,30%	155,70%	154,12%
	59,00	172,19%	170,42%	168,67%	166,94%	165,24%	<b>163,66%</b>	161,88%	160,24%	158,61%	157,00%	155,41%
	59,25	173,57%	171,79%	170,03%	168,29%	166,58%	<b>164,99%</b>	163,21%	161,55%	159,91%	158,30%	156,70%
	59,50	174,94%	173,15%	171,39%	169,64%	167,92%	<b>166,33%</b>	164,53%	162,87%	161,22%	159,59%	157,99%
	59,75	176,32%	174,52%	172,75%	170,99%	169,26%	<b>167,66%</b>	165,86%	164,18%	162,53%	160,90%	159,28%
	<b>60,00</b>	<b>177,70%</b>	<b>175,89%</b>	<b>174,11%</b>	<b>172,35%</b>	<b>170,61%</b>	<b>169,00%</b>	<b>167,18%</b>	<b>165,50%</b>	<b>163,84%</b>	<b>162,20%</b>	<b>160,57%</b>
	60,25	179,08%	177,27%	175,47%	173,70%	171,95%	<b>170,34%</b>	168,51%	166,82%	165,15%	163,50%	161,87%
	60,50	180,46%	178,64%	176,84%	175,06%	173,30%	<b>171,67%</b>	169,84%	168,14%	166,46%	164,80%	163,16%
	60,75	181,85%	180,01%	178,20%	176,41%	174,64%	<b>173,01%</b>	171,17%	169,46%	167,78%	166,11%	164,46%
	61,00	183,23%	181,39%	179,57%	177,77%	175,99%	<b>174,35%</b>	172,50%	170,79%	169,09%	167,41%	165,76%
	61,25	184,62%	182,77%	180,94%	179,13%	177,34%	<b>175,69%</b>	173,83%	172,11%	170,41%	168,72%	167,06%
	61,50	186,00%	184,14%	182,31%	180,49%	178,69%	<b>177,04%</b>	175,17%	173,43%	171,72%	170,03%	168,36%
61,75	187,39%	185,52%	183,68%	181,85%	180,05%	<b>178,38%</b>	176,50%	174,76%	173,04%	171,34%	169,66%	
62,00	188,78%	186,90%	185,05%	183,21%	181,40%	<b>179,73%</b>	177,84%	176,09%	174,36%	172,65%	170,96%	
62,25	190,17%	188,28%	186,42%	184,58%	182,75%	<b>181,07%</b>	179,17%	177,42%	175,68%	173,96%	172,26%	
62,50	191,57%	189,67%	187,79%	185,94%	184,11%	<b>182,42%</b>	180,51%	178,75%	177,00%	175,27%	173,57%	

## AA21 – Bono internacional de la Rep. Arg. en u\$s 6,875% - 2021

Precio del 22-nov-19	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio			Vencimiento	
				Monto	%					Renta		Amortización		
3.368,00	pesos	65,05%	1,34x	100,00	100,00%	0,65	100,65	55,77%	6,875%	22-abr-2020	3,44	22-abr-2021	100,00	22-abr-2021

Tipo de cambio simulado: 60,00

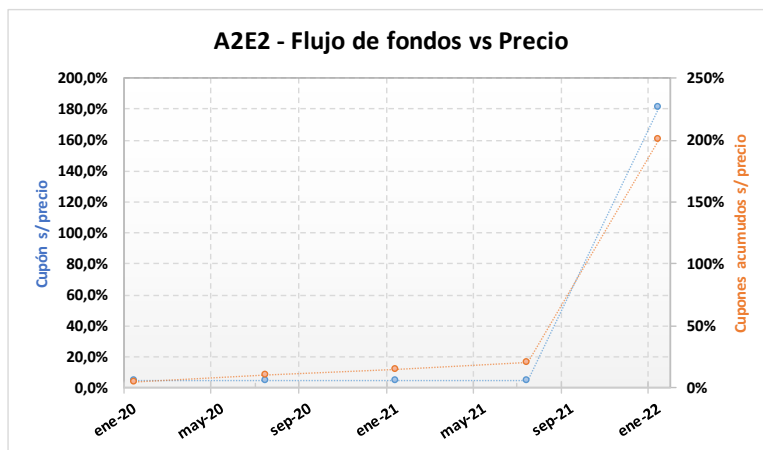


- AA21- SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		3.293	3.308	3.323	3.338	3.353	3.368,00	3.383	3.398	3.413	3.428	3.443
TIPO DE CAMBIO SIMULADO	57,50	62,60%	62,05%	61,50%	60,96%	60,42%	<b>59,88%</b>	59,35%	58,83%	58,30%	57,79%	57,27%
	57,75	63,13%	62,57%	62,02%	61,48%	60,94%	<b>60,40%</b>	59,87%	59,34%	58,82%	58,30%	57,78%
	58,00	63,65%	63,10%	62,55%	62,00%	61,46%	<b>60,92%</b>	60,39%	59,86%	59,33%	58,81%	58,29%
	58,25	64,18%	63,62%	63,07%	62,52%	61,98%	<b>61,44%</b>	60,90%	60,37%	59,85%	59,32%	58,80%
	58,50	64,71%	64,15%	63,59%	63,04%	62,50%	<b>61,96%</b>	61,42%	60,89%	60,36%	59,83%	59,31%
	58,75	65,24%	64,67%	64,12%	63,57%	63,02%	<b>62,47%</b>	61,94%	61,40%	60,87%	60,34%	59,82%
	59,00	65,76%	65,20%	64,64%	64,09%	63,54%	<b>62,99%</b>	62,45%	61,91%	61,38%	60,85%	60,33%
	59,25	66,29%	65,72%	65,16%	64,61%	64,05%	<b>63,51%</b>	62,96%	62,43%	61,89%	61,36%	60,84%
	59,50	66,81%	66,25%	65,68%	65,13%	64,57%	<b>64,02%</b>	63,48%	62,94%	62,40%	61,87%	61,34%
	59,75	67,34%	66,77%	66,20%	65,64%	65,09%	<b>64,54%</b>	63,99%	63,45%	62,91%	62,38%	61,85%
	60,00	<b>67,86%</b>	<b>67,29%</b>	<b>66,72%</b>	<b>66,16%</b>	<b>65,61%</b>	<b>65,05%</b>	<b>64,51%</b>	<b>63,96%</b>	<b>63,42%</b>	<b>62,89%</b>	<b>62,36%</b>
	60,25	68,38%	67,81%	67,24%	66,68%	66,12%	<b>65,57%</b>	65,02%	64,47%	63,93%	63,39%	62,86%
	60,50	68,91%	68,33%	67,76%	67,20%	66,64%	<b>66,08%</b>	65,53%	64,98%	64,44%	63,90%	63,37%
	60,75	69,43%	68,85%	68,28%	67,72%	67,15%	<b>66,60%</b>	66,04%	65,49%	64,95%	64,41%	63,87%
	61,00	69,95%	69,37%	68,80%	68,23%	67,67%	<b>67,11%</b>	66,55%	66,00%	65,46%	64,91%	64,38%
	61,25	70,47%	69,89%	69,32%	68,75%	68,18%	<b>67,62%</b>	67,06%	66,51%	65,96%	65,42%	64,88%
	61,50	70,99%	70,41%	69,84%	69,26%	68,70%	<b>68,13%</b>	67,58%	67,02%	66,47%	65,93%	65,38%
61,75	71,52%	70,93%	70,35%	69,78%	69,21%	<b>68,65%</b>	68,09%	67,53%	66,98%	66,43%	65,89%	
62,00	72,04%	71,45%	70,87%	70,29%	69,72%	<b>69,16%</b>	68,59%	68,04%	67,48%	66,93%	66,39%	
62,25	72,56%	71,97%	71,39%	70,81%	70,24%	<b>69,67%</b>	69,10%	68,54%	67,99%	67,44%	66,89%	
62,50	73,08%	72,49%	71,90%	71,32%	70,75%	<b>70,18%</b>	69,61%	69,05%	68,49%	67,94%	67,39%	

### A2E2 – Bonar 2022 (Ley NY)

Precio del 22-nov-19	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio			Vencimiento	
				Monto	%					Renta	Amortización			
3.400,00	pesos	41,60%	1,97x	100,00	100,00%	1,88	101,88	55,62%	5,625%	26-ene-2020	2,81	26-ene-2022	100,00	26-ene-2022

Tipo de cambio simulado: 60,00

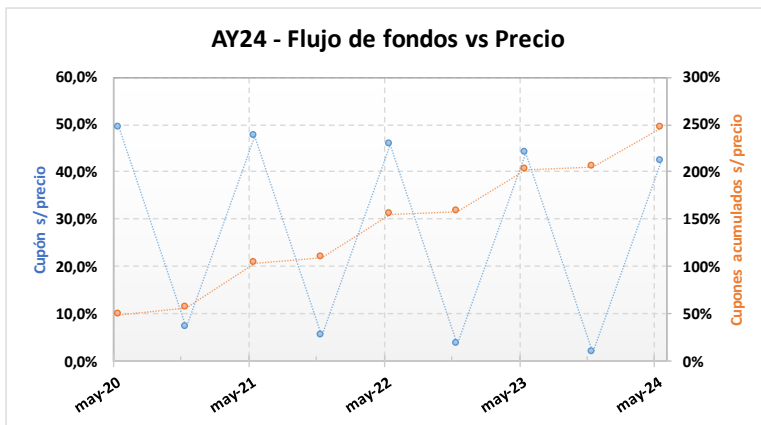


-A2E2- SENSIBILIDAD DE LA TIR	PRECIO EN PESOS SIMULADO											
	3.150	3.200	3.250	3.300	3.350	3.400,00	3.450	3.500	3.550	3.600	3.650	
TIPO DE CAMBIO SIMULADO	57,50	44,06%	42,91%	41,79%	40,69%	39,62%	<b>38,58%</b>	37,56%	36,56%	35,59%	34,63%	33,70%
	57,75	44,37%	43,22%	42,10%	41,00%	39,93%	<b>38,88%</b>	37,86%	36,86%	35,89%	34,93%	33,99%
	58,00	44,69%	43,54%	42,41%	41,31%	40,24%	<b>39,19%</b>	38,16%	37,16%	36,18%	35,22%	34,29%
	58,25	45,01%	43,85%	42,72%	41,62%	40,54%	<b>39,49%</b>	38,46%	37,46%	36,48%	35,52%	34,58%
	58,50	45,33%	44,17%	43,03%	41,93%	40,85%	<b>39,79%</b>	38,76%	37,76%	36,77%	35,81%	34,87%
	58,75	45,64%	44,48%	43,34%	42,24%	41,15%	<b>40,10%</b>	39,06%	38,06%	37,07%	36,10%	35,16%
	59,00	45,96%	44,79%	43,65%	42,54%	41,46%	<b>40,40%</b>	39,36%	38,35%	37,36%	36,40%	35,45%
	59,25	46,27%	45,10%	43,96%	42,85%	41,76%	<b>40,70%</b>	39,66%	38,65%	37,66%	36,69%	35,74%
	59,50	46,59%	45,42%	44,27%	43,16%	42,07%	<b>41,00%</b>	39,96%	38,94%	37,95%	36,98%	36,03%
	59,75	46,90%	45,73%	44,58%	43,46%	42,37%	<b>41,30%</b>	40,26%	39,24%	38,24%	37,27%	36,32%
	60,00	<b>47,21%</b>	<b>46,04%</b>	<b>44,89%</b>	<b>43,77%</b>	<b>42,67%</b>	<b>41,60%</b>	<b>40,56%</b>	<b>39,53%</b>	<b>38,54%</b>	<b>37,56%</b>	<b>36,60%</b>
	60,25	47,53%	46,35%	45,19%	44,07%	42,97%	<b>41,90%</b>	40,85%	39,83%	38,83%	37,85%	36,89%
	60,50	47,84%	46,66%	45,50%	44,37%	43,27%	<b>42,20%</b>	41,15%	40,12%	39,12%	38,14%	37,18%
	60,75	48,15%	46,97%	45,81%	44,68%	43,57%	<b>42,50%</b>	41,44%	40,42%	39,41%	38,43%	37,46%
	61,00	48,46%	47,27%	46,11%	44,98%	43,87%	<b>42,79%</b>	41,74%	40,71%	39,70%	38,71%	37,75%
	61,25	48,77%	47,58%	46,42%	45,28%	44,17%	<b>43,09%</b>	42,03%	41,00%	39,99%	39,00%	38,03%
	61,50	49,08%	47,89%	46,72%	45,58%	44,47%	<b>43,39%</b>	42,33%	41,29%	40,28%	39,29%	38,32%
61,75	49,39%	48,20%	47,03%	45,89%	44,77%	<b>43,68%</b>	42,62%	41,58%	40,57%	39,58%	38,60%	
62,00	49,70%	48,50%	47,33%	46,19%	45,07%	<b>43,98%</b>	42,92%	41,87%	40,86%	39,86%	38,89%	
62,25	50,01%	48,81%	47,63%	46,49%	45,37%	<b>44,28%</b>	43,21%	42,16%	41,14%	40,15%	39,17%	
62,50	50,32%	49,11%	47,94%	46,79%	45,67%	<b>44,57%</b>	43,50%	42,45%	41,43%	40,43%	39,45%	

### AY24 – Bonar 2024

Precio del 22-nov-19	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio				Vencimiento
				Monto	%					Renta		Amortización		
2.470,00	pesos	60,36%	1,53x	83,34	83,34%	0,38	83,72	49,17%	8,750%	7-may-2020	3,65	7-may-2020	16,66	7-may-2024

Tipo de cambio simulado: 60,00

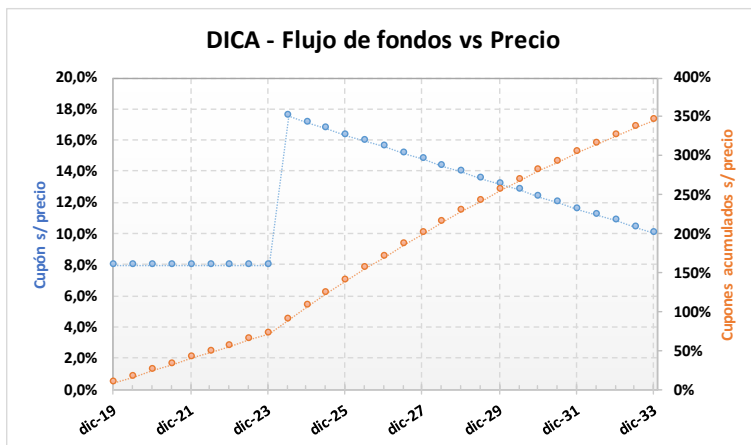


- AY24 - SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		2.395	2.410	2.425	2.440	2.455	2.470,00	2.485	2.500	2.515	2.530	2.545
TIPO DE CAMBIO SIMULADO	57,50	59,14%	58,50%	57,86%	57,24%	56,62%	<b>56,01%</b>	55,41%	54,82%	54,23%	53,66%	53,09%
	57,75	59,59%	58,94%	58,30%	57,68%	57,06%	<b>56,44%</b>	55,84%	55,24%	54,66%	54,08%	53,50%
	58,00	60,04%	59,39%	58,75%	58,12%	57,49%	<b>56,88%</b>	56,27%	55,67%	55,08%	54,50%	53,92%
	58,25	60,49%	59,84%	59,19%	58,56%	57,93%	<b>57,31%</b>	56,70%	56,10%	55,50%	54,92%	54,34%
	58,50	60,94%	60,28%	59,64%	59,00%	58,37%	<b>57,75%</b>	57,13%	56,53%	55,93%	55,34%	54,76%
	58,75	61,39%	60,73%	60,08%	59,44%	58,81%	<b>58,18%</b>	57,56%	56,96%	56,35%	55,76%	55,18%
	59,00	61,85%	61,18%	60,53%	59,88%	59,24%	<b>58,62%</b>	58,00%	57,38%	56,78%	56,19%	55,60%
	59,25	62,30%	61,63%	60,97%	60,32%	59,68%	<b>59,05%</b>	58,43%	57,81%	57,21%	56,61%	56,02%
	59,50	62,75%	62,08%	61,42%	60,77%	60,12%	<b>59,49%</b>	58,86%	58,24%	57,63%	57,03%	56,44%
	59,75	63,21%	62,53%	61,87%	61,21%	60,56%	<b>59,92%</b>	59,29%	58,67%	58,06%	57,46%	56,86%
	<b>60,00</b>	<b>63,66%</b>	<b>62,98%</b>	<b>62,31%</b>	<b>61,65%</b>	<b>61,00%</b>	<b>60,36%</b>	<b>59,73%</b>	<b>59,10%</b>	<b>58,49%</b>	<b>57,88%</b>	<b>57,28%</b>
	60,25	64,12%	63,43%	62,76%	62,10%	61,44%	<b>60,80%</b>	60,16%	59,53%	58,91%	58,30%	57,70%
	60,50	64,57%	63,89%	63,21%	62,54%	61,88%	<b>61,24%</b>	60,60%	59,97%	59,34%	58,73%	58,12%
	60,75	65,03%	64,34%	63,66%	62,99%	62,33%	<b>61,67%</b>	61,03%	60,40%	59,77%	59,15%	58,55%
	61,00	65,48%	64,79%	64,11%	63,43%	62,77%	<b>62,11%</b>	61,47%	60,83%	60,20%	59,58%	58,97%
	61,25	65,94%	65,24%	64,56%	63,88%	63,21%	<b>62,55%</b>	61,90%	61,26%	60,63%	60,01%	59,39%
	61,50	66,40%	65,70%	65,01%	64,33%	63,66%	<b>62,99%</b>	62,34%	61,70%	61,06%	60,43%	59,81%
	61,75	66,86%	66,15%	65,46%	64,77%	64,10%	<b>63,43%</b>	62,78%	62,13%	61,49%	60,86%	60,24%
	62,00	67,32%	66,61%	65,91%	65,22%	64,54%	<b>63,87%</b>	63,21%	62,56%	61,92%	61,29%	60,66%
62,25	67,77%	67,06%	66,36%	65,67%	64,99%	<b>64,32%</b>	63,65%	63,00%	62,35%	61,72%	61,09%	
62,50	68,23%	67,52%	66,81%	66,12%	65,43%	<b>64,76%</b>	64,09%	63,43%	62,78%	62,14%	61,51%	

### DICA – Bono Discount en dólares (ley argentina)

Precio del	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio		Vencimiento		
				Monto	%					Renta	Amortización			
22-nov-19	pesos	22,85%	4,68x	140,20	100,00%	4,71	144,91	50,49%	8,280%	31-dic-2019	5,80	30-jun-2024	7,01	31-dic-2033

Tipo de cambio simulado: 60,00

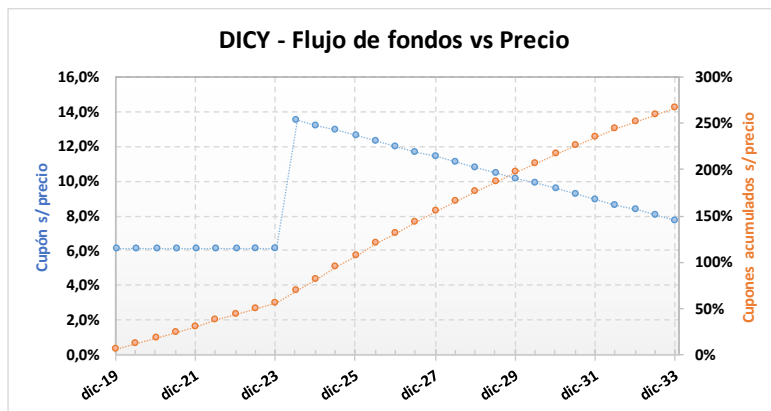


- DICA - SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		4.140	4.190	4.240	4.290	4.340	4.390,00	4.440	4.490	4.540	4.590	4.640
TIPO DE CAMBIO SIMULADO	57,50	23,28%	22,96%	22,65%	22,34%	22,05%	21,75%	21,47%	21,19%	20,91%	20,64%	20,37%
	57,75	23,39%	23,07%	22,76%	22,46%	22,16%	21,86%	21,58%	21,30%	21,02%	20,75%	20,48%
	58,00	23,51%	23,19%	22,88%	22,57%	22,27%	21,98%	21,69%	21,40%	21,13%	20,85%	20,59%
	58,25	23,62%	23,30%	22,99%	22,68%	22,38%	22,09%	21,80%	21,51%	21,23%	20,96%	20,69%
	58,50	23,74%	23,42%	23,10%	22,79%	22,49%	22,20%	21,90%	21,62%	21,34%	21,07%	20,80%
	58,75	23,85%	23,53%	23,21%	22,91%	22,60%	22,31%	22,01%	21,73%	21,45%	21,17%	20,90%
	59,00	23,97%	23,64%	23,33%	23,02%	22,71%	22,41%	22,12%	21,84%	21,56%	21,28%	21,01%
	59,25	24,08%	23,76%	23,44%	23,13%	22,82%	22,52%	22,23%	21,94%	21,66%	21,39%	21,11%
	59,50	24,20%	23,87%	23,55%	23,24%	22,93%	22,63%	22,34%	22,05%	21,77%	21,49%	21,22%
	59,75	24,31%	23,98%	23,66%	23,35%	23,04%	22,74%	22,45%	22,16%	21,88%	21,60%	21,32%
	60,00	24,43%	24,10%	23,78%	23,46%	23,15%	22,85%	22,56%	22,27%	21,98%	21,70%	21,43%
	60,25	24,54%	24,21%	23,89%	23,57%	23,26%	22,96%	22,67%	22,37%	22,09%	21,81%	21,53%
	60,50	24,65%	24,32%	24,00%	23,68%	23,37%	23,07%	22,77%	22,48%	22,20%	21,91%	21,64%
	60,75	24,77%	24,44%	24,11%	23,80%	23,48%	23,18%	22,88%	22,59%	22,30%	22,02%	21,74%
	61,00	24,88%	24,55%	24,22%	23,91%	23,59%	23,29%	22,99%	22,70%	22,41%	22,13%	21,85%
	61,25	25,00%	24,66%	24,34%	24,02%	23,70%	23,40%	23,10%	22,80%	22,51%	22,23%	21,95%
	61,50	25,11%	24,78%	24,45%	24,13%	23,81%	23,51%	23,21%	22,91%	22,62%	22,34%	22,06%
61,75	25,22%	24,89%	24,56%	24,24%	23,92%	23,62%	23,31%	23,02%	22,73%	22,44%	22,16%	
62,00	25,34%	25,00%	24,67%	24,35%	24,03%	23,72%	23,42%	23,12%	22,83%	22,55%	22,27%	
62,25	25,45%	25,11%	24,78%	24,46%	24,14%	23,83%	23,53%	23,23%	22,94%	22,65%	22,37%	
62,50	25,56%	25,22%	24,89%	24,57%	24,25%	23,94%	23,64%	23,34%	23,04%	22,76%	22,47%	

### DICY – Bono Discount en dólares (ley New York)

Precio del	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio		Vencimiento		
				Monto	%					Renta	Amortización			
22-nov-19	pesos	16,70%	5,32x	140,20	100,00%	4,71	144,91	65,27%	8,280%	31-dic-2019	5,80	30-jun-2024	7,01	31-dic-2033

Tipo de cambio simulado: **60,00**



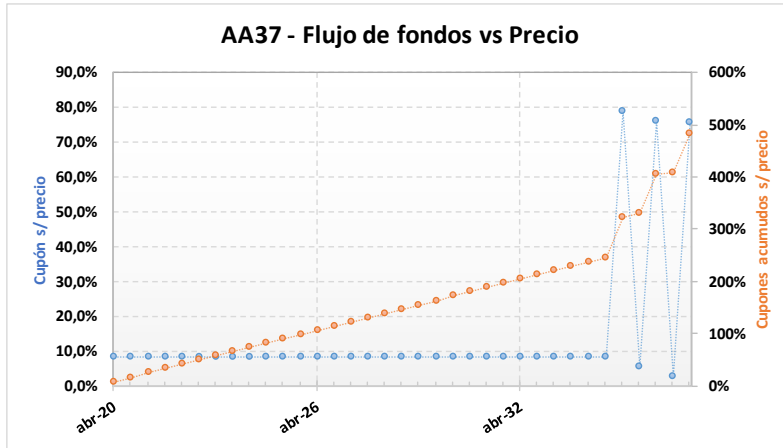
- DICY - SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		5.425	5.475	5.525	5.575	5.625	5.675,00	5.725	5.775	5.825	5.875	5.925
TIPO DE CAMBIO SIMULADO	57,50	16,76%	16,56%	16,36%	16,16%	15,97%	<b>15,78%</b>	15,59%	15,41%	15,23%	15,05%	14,87%
	57,75	16,85%	16,65%	16,45%	16,26%	16,06%	<b>15,87%</b>	15,69%	15,50%	15,32%	15,14%	14,96%
	58,00	16,95%	16,74%	16,55%	16,35%	16,16%	<b>15,97%</b>	15,78%	15,59%	15,41%	15,23%	15,05%
	58,25	17,04%	16,84%	16,64%	16,44%	16,25%	<b>16,06%</b>	15,87%	15,68%	15,50%	15,32%	15,14%
	58,50	17,14%	16,93%	16,73%	16,54%	16,34%	<b>16,15%</b>	15,96%	15,78%	15,59%	15,41%	15,23%
	58,75	17,23%	17,03%	16,83%	16,63%	16,43%	<b>16,24%</b>	16,05%	15,87%	15,68%	15,50%	15,32%
	59,00	17,33%	17,12%	16,92%	16,72%	16,53%	<b>16,33%</b>	16,15%	15,96%	15,77%	15,59%	15,41%
	59,25	17,42%	17,22%	17,01%	16,82%	16,62%	<b>16,43%</b>	16,24%	16,05%	15,86%	15,68%	15,50%
	59,50	17,52%	17,31%	17,11%	16,91%	16,71%	<b>16,52%</b>	16,33%	16,14%	15,95%	15,77%	15,59%
	59,75	17,61%	17,40%	17,20%	17,00%	16,80%	<b>16,61%</b>	16,42%	16,23%	16,04%	15,86%	15,68%
	60,00	<b>17,70%</b>	<b>17,50%</b>	<b>17,29%</b>	<b>17,09%</b>	<b>16,90%</b>	<b>16,70%</b>	<b>16,51%</b>	<b>16,32%</b>	<b>16,13%</b>	<b>15,95%</b>	<b>15,77%</b>
	60,25	17,80%	17,59%	17,39%	17,19%	16,99%	<b>16,79%</b>	16,60%	16,41%	16,22%	16,04%	15,86%
	60,50	17,89%	17,68%	17,48%	17,28%	17,08%	<b>16,88%</b>	16,69%	16,50%	16,31%	16,13%	15,95%
	60,75	17,99%	17,78%	17,57%	17,37%	17,17%	<b>16,97%</b>	16,78%	16,59%	16,40%	16,22%	16,04%
	61,00	18,08%	17,87%	17,66%	17,46%	17,26%	<b>17,07%</b>	16,87%	16,68%	16,49%	16,31%	16,12%
	61,25	18,17%	17,96%	17,76%	17,55%	17,35%	<b>17,16%</b>	16,96%	16,77%	16,58%	16,40%	16,21%
	61,50	18,27%	18,06%	17,85%	17,65%	17,45%	<b>17,25%</b>	17,05%	16,86%	16,67%	16,48%	16,30%
61,75	18,36%	18,15%	17,94%	17,74%	17,54%	<b>17,34%</b>	17,14%	16,95%	16,76%	16,57%	16,39%	
62,00	18,45%	18,24%	18,03%	17,83%	17,63%	<b>17,43%</b>	17,23%	17,04%	16,85%	16,66%	16,48%	
62,25	18,55%	18,33%	18,13%	17,92%	17,72%	<b>17,52%</b>	17,32%	17,13%	16,94%	16,75%	16,56%	
62,50	18,64%	18,43%	18,22%	18,01%	17,81%	<b>17,61%</b>	17,41%	17,22%	17,03%	16,84%	16,65%	



### AA37 – Bonos de la Nación Argentina en U\$S 7.625% - VTO. 2037

Precio del	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio			Vencimiento	
				Monto	%					Renta		Amortización		
2.800,00	pesos	18,76%	6,40x	100,00	100,00%	0,80	100,80	46,29%	7,625%	18-abr-2020	3,81	18-abr-2035	33,00	18-abr-2037

Tipo de cambio simulado: 60,00

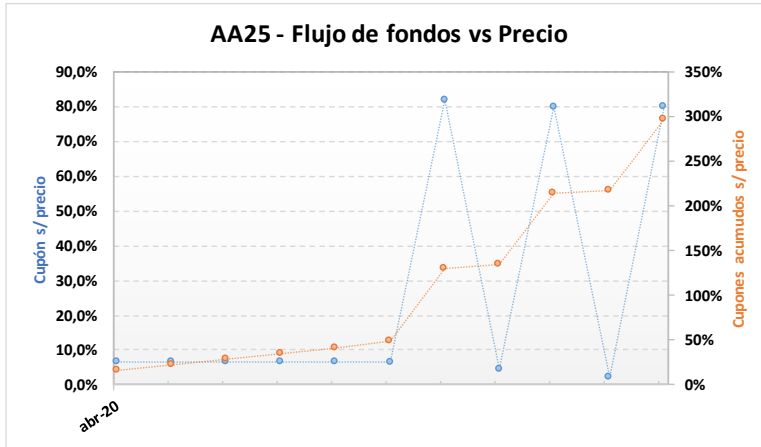


- AA37- SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		2.550	2.600	2.650	2.700	2.750	2.800,00	2.850	2.900	2.950	3.000	3.050
TIPO DE CAMBIO SIMULADO	57,50	19,73%	19,36%	19,00%	18,65%	18,31%	<b>17,99%</b>	17,67%	17,37%	17,07%	16,79%	16,51%
	57,75	19,82%	19,44%	19,08%	18,73%	18,39%	<b>18,07%</b>	17,75%	17,44%	17,15%	16,86%	16,58%
	58,00	19,90%	19,52%	19,16%	18,81%	18,47%	<b>18,14%</b>	17,83%	17,52%	17,22%	16,93%	16,65%
	58,25	19,99%	19,61%	19,24%	18,89%	18,55%	<b>18,22%</b>	17,90%	17,60%	17,30%	17,01%	16,73%
	58,50	20,07%	19,69%	19,32%	18,97%	18,63%	<b>18,30%</b>	17,98%	17,67%	17,37%	17,08%	16,80%
	58,75	20,15%	19,77%	19,41%	19,05%	18,71%	<b>18,38%</b>	18,06%	17,75%	17,45%	17,15%	16,87%
	59,00	20,24%	19,86%	19,49%	19,13%	18,79%	<b>18,45%</b>	18,13%	17,82%	17,52%	17,23%	16,94%
	59,25	20,32%	19,94%	19,57%	19,21%	18,87%	<b>18,53%</b>	18,21%	17,90%	17,59%	17,30%	17,02%
	59,50	20,41%	20,02%	19,65%	19,29%	18,94%	<b>18,61%</b>	18,29%	17,97%	17,67%	17,37%	17,09%
	59,75	20,49%	20,10%	19,73%	19,37%	19,02%	<b>18,69%</b>	18,36%	18,05%	17,74%	17,45%	17,16%
	<b>60,00</b>	<b>20,57%</b>	<b>20,19%</b>	<b>19,81%</b>	<b>19,45%</b>	<b>19,10%</b>	<b>18,76%</b>	<b>18,44%</b>	<b>18,12%</b>	<b>17,82%</b>	<b>17,52%</b>	<b>17,23%</b>
	60,25	20,66%	20,27%	19,89%	19,53%	19,18%	<b>18,84%</b>	18,51%	18,20%	17,89%	17,59%	17,30%
	60,50	20,74%	20,35%	19,97%	19,61%	19,26%	<b>18,92%</b>	18,59%	18,27%	17,96%	17,67%	17,38%
	60,75	20,83%	20,43%	20,05%	19,69%	19,34%	<b>19,00%</b>	18,67%	18,35%	18,04%	17,74%	17,45%
	61,00	20,91%	20,52%	20,14%	19,77%	19,42%	<b>19,07%</b>	18,74%	18,42%	18,11%	17,81%	17,52%
	61,25	20,99%	20,60%	20,22%	19,85%	19,49%	<b>19,15%</b>	18,82%	18,50%	18,19%	17,88%	17,59%
	61,50	21,08%	20,68%	20,30%	19,93%	19,57%	<b>19,23%</b>	18,90%	18,57%	18,26%	17,96%	17,66%
61,75	21,16%	20,76%	20,38%	20,01%	19,65%	<b>19,31%</b>	18,97%	18,65%	18,33%	18,03%	17,74%	
62,00	21,24%	20,84%	20,46%	20,09%	19,73%	<b>19,38%</b>	19,05%	18,72%	18,41%	18,10%	17,81%	
62,25	21,33%	20,93%	20,54%	20,17%	19,81%	<b>19,46%</b>	19,12%	18,80%	18,48%	18,18%	17,88%	
62,50	21,41%	21,01%	20,62%	20,25%	19,89%	<b>19,54%</b>	19,20%	18,87%	18,55%	18,25%	17,95%	

### AA25 – Bonos de la Nación Argentina en U\$S 5.75% - VTO. 2025

Precio del 22-nov-19	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio		Vencimiento		
				Monto	%					Renta	Amortización			
2.625,00	pesos	32,42%	3,50x	100,00	100,00%	0,61	100,61	43,49%	5,750%	18-abr-2020	2,88	18-abr-2023	33,00	18-abr-2025

Tipo de cambio simulado: 60,00

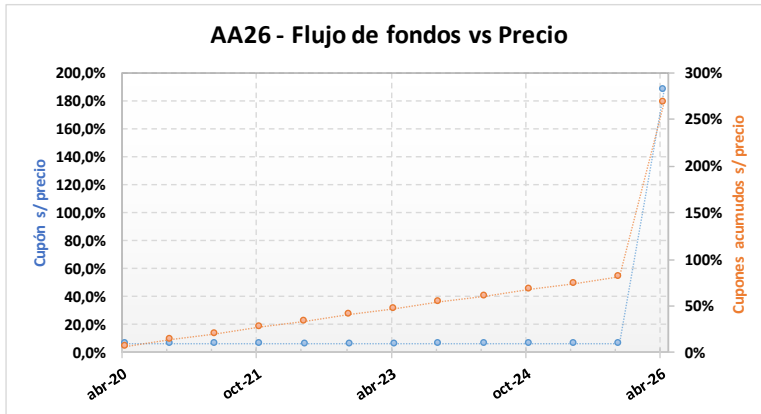


- AA25- SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		2.375	2.425	2.475	2.525	2.575	2.625,00	2.675	2.725	2.775	2.825	2.875
TIPO DE CAMBIO SIMULADO	57,50	34,63%	33,82%	33,04%	32,28%	31,54%	<b>30,82%</b>	30,12%	29,45%	28,78%	28,14%	27,51%
	57,75	34,80%	33,99%	33,20%	32,44%	31,70%	<b>30,98%</b>	30,28%	29,60%	28,94%	28,30%	27,67%
	58,00	34,96%	34,15%	33,37%	32,61%	31,87%	<b>31,14%</b>	30,44%	29,76%	29,10%	28,45%	27,82%
	58,25	35,13%	34,32%	33,53%	32,77%	32,03%	<b>31,31%</b>	30,60%	29,92%	29,25%	28,61%	27,97%
	58,50	35,30%	34,49%	33,70%	32,93%	32,19%	<b>31,47%</b>	30,76%	30,08%	29,41%	28,76%	28,13%
	58,75	35,47%	34,65%	33,86%	33,10%	32,35%	<b>31,63%</b>	30,92%	30,23%	29,57%	28,92%	28,28%
	59,00	35,63%	34,82%	34,03%	33,26%	32,51%	<b>31,78%</b>	31,08%	30,39%	29,72%	29,07%	28,43%
	59,25	35,80%	34,98%	34,19%	33,42%	32,67%	<b>31,94%</b>	31,24%	30,55%	29,88%	29,22%	28,59%
	59,50	35,97%	35,15%	34,35%	33,58%	32,83%	<b>32,10%</b>	31,39%	30,70%	30,03%	29,38%	28,74%
	59,75	36,13%	35,31%	34,52%	33,74%	32,99%	<b>32,26%</b>	31,55%	30,86%	30,19%	29,53%	28,89%
	<b>60,00</b>	<b>36,30%</b>	<b>35,48%</b>	<b>34,68%</b>	<b>33,90%</b>	<b>33,15%</b>	<b>32,42%</b>	<b>31,71%</b>	<b>31,01%</b>	<b>30,34%</b>	<b>29,68%</b>	<b>29,04%</b>
	60,25	36,46%	35,64%	34,84%	34,06%	33,31%	<b>32,58%</b>	31,86%	31,17%	30,49%	29,84%	29,19%
	60,50	36,63%	35,80%	35,00%	34,22%	33,47%	<b>32,73%</b>	32,02%	31,32%	30,65%	29,99%	29,35%
	60,75	36,79%	35,97%	35,16%	34,38%	33,63%	<b>32,89%</b>	32,18%	31,48%	30,80%	30,14%	29,50%
	61,00	36,96%	36,13%	35,32%	34,54%	33,78%	<b>33,05%</b>	32,33%	31,63%	30,95%	30,29%	29,65%
61,25	37,12%	36,29%	35,48%	34,70%	33,94%	<b>33,20%</b>	32,49%	31,79%	31,11%	30,44%	29,80%	
61,50	37,28%	36,45%	35,64%	34,86%	34,10%	<b>33,36%</b>	32,64%	31,94%	31,26%	30,59%	29,95%	
61,75	37,45%	36,61%	35,80%	35,02%	34,26%	<b>33,52%</b>	32,79%	32,09%	31,41%	30,74%	30,10%	
62,00	37,61%	36,77%	35,96%	35,18%	34,41%	<b>33,67%</b>	32,95%	32,25%	31,56%	30,89%	30,24%	
62,25	37,77%	36,94%	36,12%	35,34%	34,57%	<b>33,83%</b>	33,10%	32,40%	31,71%	31,04%	30,39%	
62,50	37,93%	37,10%	36,28%	35,49%	34,73%	<b>33,98%</b>	33,25%	32,55%	31,86%	31,19%	30,54%	

### AA26 – Bono internacional de la Rep. Arg. en u\$s 7.5% - 2026

Precio del 22-nov-19	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio			Vencimiento	
				Monto	%					Renta	Amortización			
3.314,00	pesos	21,63%	4,63x	100,00	100,00%	0,71	100,71	54,84%	7,500%	22-abr-2020	3,75	22-abr-2026	100,00	22-abr-2026

Tipo de cambio simulado: 60,00

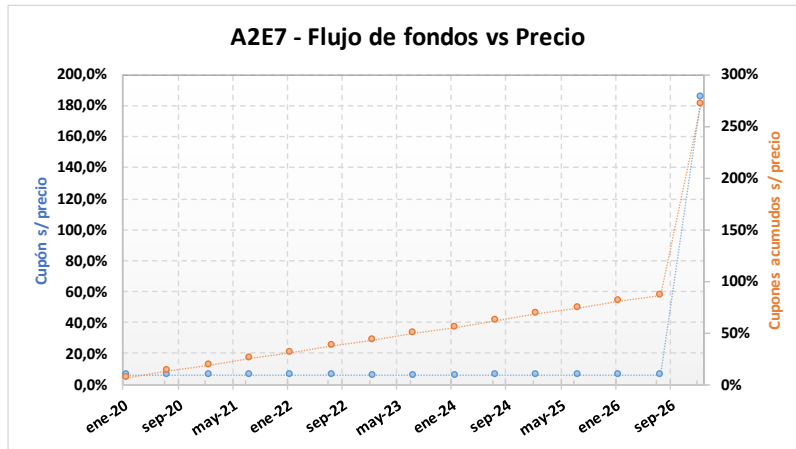


- AA26- SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		3.190	3.215	3.240	3.265	3.290	3.314,00	3.340	3.365	3.390	3.415	3.440
TIPO DE CAMBIO SIMULADO	57,50	21,52%	21,31%	21,11%	20,91%	20,72%	<b>20,53%</b>	20,33%	20,14%	19,95%	19,76%	19,57%
	57,75	21,63%	21,43%	21,23%	21,03%	20,83%	<b>20,64%</b>	20,44%	20,25%	20,06%	19,87%	19,68%
	58,00	21,75%	21,54%	21,34%	21,14%	20,94%	<b>20,75%</b>	20,55%	20,36%	20,17%	19,98%	19,79%
	58,25	21,86%	21,65%	21,45%	21,25%	21,05%	<b>20,86%</b>	20,66%	20,47%	20,28%	20,09%	19,90%
	58,50	21,97%	21,77%	21,56%	21,36%	21,16%	<b>20,97%</b>	20,77%	20,58%	20,39%	20,20%	20,01%
	58,75	22,09%	21,88%	21,68%	21,47%	21,27%	<b>21,08%</b>	20,88%	20,69%	20,50%	20,31%	20,12%
	59,00	22,20%	21,99%	21,79%	21,58%	21,39%	<b>21,20%</b>	20,99%	20,80%	20,61%	20,42%	20,23%
	59,25	22,31%	22,10%	21,90%	21,70%	21,50%	<b>21,31%</b>	21,10%	20,91%	20,72%	20,53%	20,34%
	59,50	22,42%	22,21%	22,01%	21,81%	21,61%	<b>21,42%</b>	21,21%	21,02%	20,83%	20,64%	20,45%
	59,75	22,53%	22,33%	22,12%	21,92%	21,72%	<b>21,53%</b>	21,32%	21,13%	20,93%	20,74%	20,56%
	60,00	<b>22,64%</b>	<b>22,44%</b>	<b>22,23%</b>	<b>22,03%</b>	<b>21,83%</b>	<b>21,63%</b>	<b>21,43%</b>	<b>21,24%</b>	<b>21,04%</b>	<b>20,85%</b>	<b>20,66%</b>
	60,25	22,76%	22,55%	22,34%	22,14%	21,94%	<b>21,74%</b>	21,54%	21,34%	21,15%	20,96%	20,77%
	60,50	22,87%	22,66%	22,45%	22,25%	22,05%	<b>21,85%</b>	21,65%	21,45%	21,26%	21,07%	20,88%
	60,75	22,98%	22,77%	22,56%	22,36%	22,15%	<b>21,96%</b>	21,76%	21,56%	21,37%	21,17%	20,98%
	61,00	23,09%	22,88%	22,67%	22,47%	22,26%	<b>22,07%</b>	21,86%	21,67%	21,47%	21,28%	21,09%
	61,25	23,20%	22,99%	22,78%	22,57%	22,37%	<b>22,18%</b>	21,97%	21,78%	21,58%	21,39%	21,20%
	61,50	23,31%	23,10%	22,89%	22,68%	22,48%	<b>22,29%</b>	22,08%	21,88%	21,69%	21,50%	21,30%
61,75	23,42%	23,21%	23,00%	22,79%	22,59%	<b>22,39%</b>	22,19%	21,99%	21,79%	21,60%	21,41%	
62,00	23,53%	23,32%	23,11%	22,90%	22,70%	<b>22,50%</b>	22,29%	22,10%	21,90%	21,71%	21,52%	
62,25	23,64%	23,42%	23,22%	23,01%	22,80%	<b>22,61%</b>	22,40%	22,20%	22,01%	21,81%	21,62%	
62,50	23,75%	23,53%	23,32%	23,12%	22,91%	<b>22,72%</b>	22,51%	22,31%	22,11%	21,92%	21,73%	

## A2E7 – Bonar 2027 (Ley NY)

Precio del 22-nov-19	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio			Vencimiento	
				Monto	%					Renta		Amortización		
3.350,00	pesos	19,88%	4,96x	100,00	100,00%	2,29	102,29	54,58%	6,875%	26-ene-2020	3,44	26-ene-2027	100,00	26-ene-2027

Tipo de cambio simulado: **60,00**

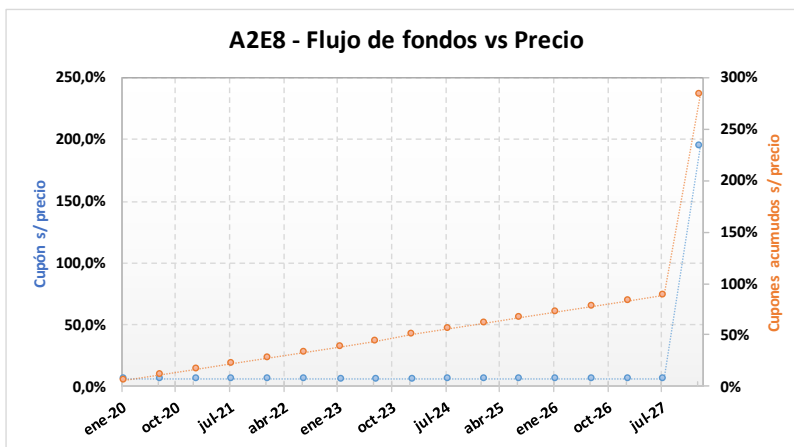


-A2E7- SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		3.100	3.150	3.200	3.250	3.300	3.350,00	3.400	3.450	3.500	3.550	3.600
TIPO DE CAMBIO SIMULADO	57,50	20,73%	20,34%	19,96%	19,58%	19,22%	<b>18,86%</b>	18,51%	18,17%	17,83%	17,50%	17,18%
	57,75	20,84%	20,45%	20,06%	19,69%	19,32%	<b>18,96%</b>	18,61%	18,27%	17,93%	17,61%	17,28%
	58,00	20,95%	20,55%	20,17%	19,79%	19,43%	<b>19,07%</b>	18,72%	18,37%	18,03%	17,71%	17,38%
	58,25	21,05%	20,66%	20,27%	19,90%	19,53%	<b>19,17%</b>	18,82%	18,47%	18,14%	17,80%	17,48%
	58,50	21,16%	20,76%	20,38%	20,00%	19,63%	<b>19,27%</b>	18,92%	18,57%	18,24%	17,90%	17,58%
	58,75	21,27%	20,87%	20,48%	20,10%	19,73%	<b>19,37%</b>	19,02%	18,67%	18,34%	18,00%	17,68%
	59,00	21,37%	20,97%	20,59%	20,21%	19,84%	<b>19,47%</b>	19,12%	18,77%	18,43%	18,10%	17,78%
	59,25	21,48%	21,08%	20,69%	20,31%	19,94%	<b>19,58%</b>	19,22%	18,87%	18,53%	18,20%	17,88%
	59,50	21,58%	21,18%	20,79%	20,41%	20,04%	<b>19,68%</b>	19,32%	18,97%	18,63%	18,30%	17,97%
	59,75	21,69%	21,29%	20,90%	20,52%	20,14%	<b>19,78%</b>	19,42%	19,07%	18,73%	18,40%	18,07%
	<b>60,00</b>	<b>21,79%</b>	<b>21,39%</b>	<b>21,00%</b>	<b>20,62%</b>	<b>20,24%</b>	<b>19,88%</b>	<b>19,52%</b>	<b>19,17%</b>	<b>18,83%</b>	<b>18,50%</b>	<b>18,17%</b>
	60,25	21,90%	21,49%	21,10%	20,72%	20,35%	<b>19,98%</b>	19,62%	19,27%	18,93%	18,59%	18,27%
	60,50	22,00%	21,60%	21,21%	20,82%	20,45%	<b>20,08%</b>	19,72%	19,37%	19,03%	18,69%	18,36%
	60,75	22,10%	21,70%	21,31%	20,92%	20,55%	<b>20,18%</b>	19,82%	19,47%	19,13%	18,79%	18,46%
	61,00	22,21%	21,80%	21,41%	21,03%	20,65%	<b>20,28%</b>	19,92%	19,57%	19,22%	18,89%	18,56%
	61,25	22,31%	21,91%	21,51%	21,13%	20,75%	<b>20,38%</b>	20,02%	19,67%	19,32%	18,98%	18,65%
	61,50	22,42%	22,01%	21,61%	21,23%	20,85%	<b>20,48%</b>	20,12%	19,77%	19,42%	19,08%	18,75%
61,75	22,52%	22,11%	21,72%	21,33%	20,95%	<b>20,58%</b>	20,22%	19,86%	19,52%	19,18%	18,85%	
62,00	22,62%	22,21%	21,82%	21,43%	21,05%	<b>20,68%</b>	20,32%	19,96%	19,61%	19,27%	18,94%	
62,25	22,73%	22,32%	21,92%	21,53%	21,15%	<b>20,78%</b>	20,41%	20,06%	19,71%	19,37%	19,04%	
62,50	22,83%	22,42%	22,02%	21,63%	21,25%	<b>20,88%</b>	20,51%	20,16%	19,81%	19,47%	19,13%	

### A2E8 – Bonar 2028 (Ley NY)

Precio del 22-nov-19	Moneda de cotización	TIREA en pesos	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio			Vencimiento	
				Monto	%					Renta	Amortización			
3.175,00	pesos	18,18%	5,57x	100,00	100,00%	2,20	102,20	51,78%	5,875%	11-ene-2020	2,94	11-ene-2028	100,00	11-ene-2028

Tipo de cambio simulado: 60,00

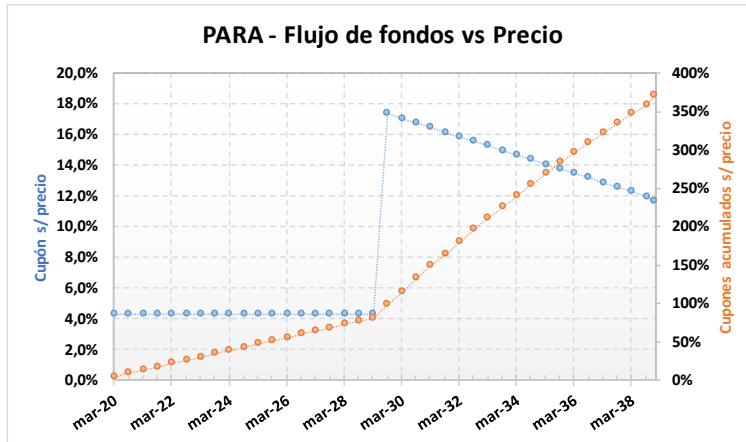


-A2E8- SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		2.925	2.975	3.025	3.075	3.125	3.175,00	3.225	3.275	3.325	3.375	3.425
TIPO DE CAMBIO SIMULADO	57,50	19,03%	18,66%	18,31%	17,96%	17,62%	<b>17,29%</b>	16,97%	16,65%	16,34%	16,04%	15,74%
	57,75	19,12%	18,76%	18,40%	18,05%	17,71%	<b>17,38%</b>	17,05%	16,74%	16,43%	16,12%	15,83%
	58,00	19,21%	18,85%	18,49%	18,14%	17,80%	<b>17,47%</b>	17,14%	16,83%	16,52%	16,21%	15,91%
	58,25	19,31%	18,94%	18,58%	18,23%	17,89%	<b>17,56%</b>	17,23%	16,92%	16,60%	16,30%	16,00%
	58,50	19,40%	19,03%	18,67%	18,32%	17,98%	<b>17,65%</b>	17,32%	17,00%	16,69%	16,39%	16,09%
	58,75	19,49%	19,13%	18,77%	18,42%	18,07%	<b>17,74%</b>	17,41%	17,09%	16,78%	16,47%	16,17%
	59,00	19,59%	19,22%	18,86%	18,51%	18,16%	<b>17,83%</b>	17,50%	17,18%	16,87%	16,56%	16,26%
	59,25	19,68%	19,31%	18,95%	18,60%	18,25%	<b>17,92%</b>	17,59%	17,27%	16,95%	16,65%	16,35%
	59,50	19,77%	19,40%	19,04%	18,69%	18,34%	<b>18,01%</b>	17,68%	17,36%	17,04%	16,73%	16,43%
	59,75	19,86%	19,49%	19,13%	18,78%	18,43%	<b>18,09%</b>	17,76%	17,44%	17,13%	16,82%	16,52%
	<b>60,00</b>	<b>19,96%</b>	<b>19,58%</b>	<b>19,22%</b>	<b>18,87%</b>	<b>18,52%</b>	<b>18,18%</b>	<b>17,85%</b>	<b>17,53%</b>	<b>17,21%</b>	<b>16,91%</b>	<b>16,60%</b>
	60,25	20,05%	19,67%	19,31%	18,96%	18,61%	<b>18,27%</b>	17,94%	17,62%	17,30%	16,99%	16,69%
	60,50	20,14%	19,77%	19,40%	19,05%	18,70%	<b>18,36%</b>	18,03%	17,70%	17,39%	17,08%	16,77%
	60,75	20,23%	19,86%	19,49%	19,13%	18,79%	<b>18,45%</b>	18,11%	17,79%	17,47%	17,16%	16,86%
	61,00	20,32%	19,95%	19,58%	19,22%	18,87%	<b>18,53%</b>	18,20%	17,88%	17,56%	17,25%	16,94%
	61,25	20,41%	20,04%	19,67%	19,31%	18,96%	<b>18,62%</b>	18,29%	17,96%	17,64%	17,33%	17,03%
61,50	20,50%	20,13%	19,76%	19,40%	19,05%	<b>18,71%</b>	18,38%	18,05%	17,73%	17,42%	17,11%	
61,75	20,59%	20,22%	19,85%	19,49%	19,14%	<b>18,80%</b>	18,46%	18,13%	17,81%	17,50%	17,20%	
62,00	20,69%	20,31%	19,94%	19,58%	19,23%	<b>18,88%</b>	18,55%	18,22%	17,90%	17,59%	17,28%	
62,25	20,78%	20,40%	20,03%	19,67%	19,31%	<b>18,97%</b>	18,63%	18,31%	17,98%	17,67%	17,36%	
62,50	20,87%	20,49%	20,12%	19,75%	19,40%	<b>19,06%</b>	18,72%	18,39%	18,07%	17,75%	17,45%	

### PARA – Bono Par en dólares (ley argentina)

Precio del	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio		Vencimiento		
				Monto	%					Renta	Amortización			
22-nov-19	pesos	13,15%	8,89x	100,00	100,00%	0,58	100,58	43,74%	3,750%	31-mar-2020	1,88	30-sep-2029	5,00	31-dic-2038

Tipo de cambio simulado: 60,00

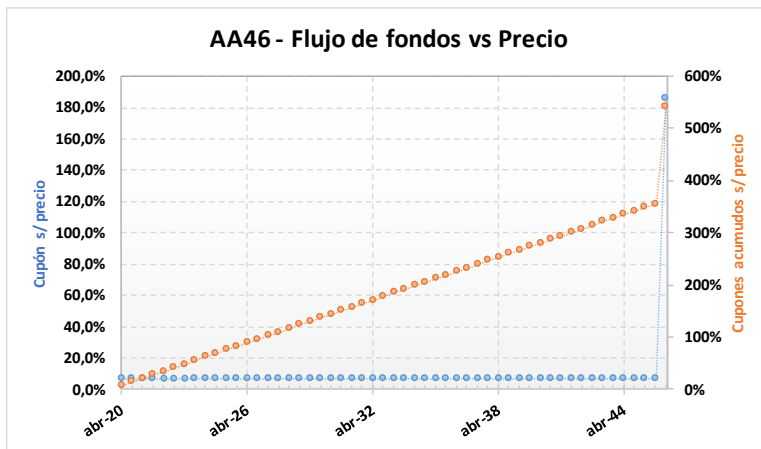


- PARA - SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		2.515	2.540	2.565	2.590	2.615	2.640,00	2.665	2.690	2.715	2.740	2.765
TIPO DE CAMBIO SIMULADO	57,50	13,23%	13,10%	12,98%	12,85%	12,73%	<b>12,62%</b>	12,50%	12,38%	12,27%	12,16%	12,04%
	57,75	13,28%	13,16%	13,03%	12,91%	12,79%	<b>12,67%</b>	12,55%	12,44%	12,32%	12,21%	12,10%
	58,00	13,34%	13,21%	13,09%	12,96%	12,84%	<b>12,72%</b>	12,61%	12,49%	12,38%	12,26%	12,15%
	58,25	13,39%	13,27%	13,14%	13,02%	12,90%	<b>12,78%</b>	12,66%	12,54%	12,43%	12,31%	12,20%
	58,50	13,45%	13,32%	13,20%	13,07%	12,95%	<b>12,83%</b>	12,71%	12,60%	12,48%	12,37%	12,26%
	58,75	13,50%	13,38%	13,25%	13,13%	13,01%	<b>12,88%</b>	12,77%	12,65%	12,53%	12,42%	12,31%
	59,00	13,56%	13,43%	13,30%	13,18%	13,06%	<b>12,94%</b>	12,82%	12,70%	12,59%	12,47%	12,36%
	59,25	13,61%	13,48%	13,36%	13,23%	13,11%	<b>12,99%</b>	12,87%	12,76%	12,64%	12,53%	12,41%
	59,50	13,67%	13,54%	13,41%	13,29%	13,17%	<b>13,05%</b>	12,93%	12,81%	12,69%	12,58%	12,47%
	59,75	13,72%	13,59%	13,47%	13,34%	13,22%	<b>13,10%</b>	12,98%	12,86%	12,75%	12,63%	12,52%
	60,00	<b>13,78%</b>	<b>13,65%</b>	<b>13,52%</b>	<b>13,40%</b>	<b>13,27%</b>	<b>13,15%</b>	<b>13,03%</b>	<b>12,91%</b>	<b>12,80%</b>	<b>12,68%</b>	<b>12,57%</b>
	60,25	13,83%	13,70%	13,57%	13,45%	13,33%	<b>13,20%</b>	13,08%	12,97%	12,85%	12,73%	12,62%
	60,50	13,88%	13,76%	13,63%	13,50%	13,38%	<b>13,26%</b>	13,14%	13,02%	12,90%	12,79%	12,67%
	60,75	13,94%	13,81%	13,68%	13,56%	13,43%	<b>13,31%</b>	13,19%	13,07%	12,95%	12,84%	12,72%
	61,00	13,99%	13,86%	13,73%	13,61%	13,49%	<b>13,36%</b>	13,24%	13,12%	13,01%	12,89%	12,78%
	61,25	14,05%	13,92%	13,79%	13,66%	13,54%	<b>13,42%</b>	13,29%	13,18%	13,06%	12,94%	12,83%
	61,50	14,10%	13,97%	13,84%	13,72%	13,59%	<b>13,47%</b>	13,35%	13,23%	13,11%	12,99%	12,88%
61,75	14,15%	14,02%	13,89%	13,77%	13,64%	<b>13,52%</b>	13,40%	13,28%	13,16%	13,04%	12,93%	
62,00	14,21%	14,08%	13,95%	13,82%	13,70%	<b>13,57%</b>	13,45%	13,33%	13,21%	13,10%	12,98%	
62,25	14,26%	14,13%	14,00%	13,87%	13,75%	<b>13,62%</b>	13,50%	13,38%	13,26%	13,15%	13,03%	
62,50	14,31%	14,18%	14,05%	13,93%	13,80%	<b>13,68%</b>	13,55%	13,43%	13,32%	13,20%	13,08%	

### AA46 – Bono internacional de la Rep. Arg. en u\$s 7.625% - 2046

Precio del	Moneda de cotización	TIREA en u\$s	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio			Vencimiento	
				Monto	%					Renta	Amortización			
22-nov-19	pesos	14,64%	7,70x	100,00	100,00%	0,72	100,72	55,43%	7,625%	22-abr-2020	3,81	22-abr-2046	100,00	22-abr-2046

Tipo de cambio simulado: 60,00



- AA46- SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		3.100	3.150	3.200	3.250	3.300	3.350,00	3.400	3.450	3.500	3.550	3.600
TIPO DE CAMBIO SIMULADO	57,50	15,17%	14,93%	14,69%	14,46%	14,24%	14,02%	13,81%	13,61%	13,41%	13,21%	13,03%
	57,75	15,24%	14,99%	14,76%	14,52%	14,30%	14,08%	13,87%	13,67%	13,47%	13,27%	13,08%
	58,00	15,31%	15,06%	14,82%	14,59%	14,36%	14,15%	13,93%	13,73%	13,53%	13,33%	13,14%
	58,25	15,37%	15,12%	14,88%	14,65%	14,43%	14,21%	13,99%	13,79%	13,59%	13,39%	13,20%
	58,50	15,44%	15,19%	14,95%	14,72%	14,49%	14,27%	14,06%	13,85%	13,65%	13,45%	13,26%
	58,75	15,51%	15,26%	15,01%	14,78%	14,55%	14,33%	14,12%	13,91%	13,71%	13,51%	13,32%
	59,00	15,57%	15,32%	15,08%	14,84%	14,62%	14,39%	14,18%	13,97%	13,77%	13,57%	13,37%
	59,25	15,64%	15,39%	15,14%	14,91%	14,68%	14,46%	14,24%	14,03%	13,82%	13,63%	13,43%
	59,50	15,71%	15,45%	15,21%	14,97%	14,74%	14,52%	14,30%	14,09%	13,88%	13,68%	13,49%
	59,75	15,77%	15,52%	15,27%	15,04%	14,80%	14,58%	14,36%	14,15%	13,94%	13,74%	13,55%
	60,00	15,84%	15,59%	15,34%	15,10%	14,87%	14,64%	14,42%	14,21%	14,00%	13,80%	13,61%
	60,25	15,91%	15,65%	15,40%	15,16%	14,93%	14,70%	14,48%	14,27%	14,06%	13,86%	13,66%
	60,50	15,98%	15,72%	15,47%	15,23%	14,99%	14,77%	14,55%	14,33%	14,12%	13,92%	13,72%
	60,75	16,04%	15,78%	15,53%	15,29%	15,06%	14,83%	14,61%	14,39%	14,18%	13,98%	13,78%
	61,00	16,11%	15,85%	15,60%	15,36%	15,12%	14,89%	14,67%	14,45%	14,24%	14,04%	13,84%
	61,25	16,18%	15,92%	15,66%	15,42%	15,18%	14,95%	14,73%	14,51%	14,30%	14,10%	13,90%
	61,50	16,24%	15,98%	15,73%	15,48%	15,24%	15,01%	14,79%	14,57%	14,36%	14,15%	13,95%
61,75	16,31%	16,05%	15,79%	15,55%	15,31%	15,08%	14,85%	14,63%	14,42%	14,21%	14,01%	
62,00	16,38%	16,11%	15,86%	15,61%	15,37%	15,14%	14,91%	14,69%	14,48%	14,27%	14,07%	
62,25	16,44%	16,18%	15,92%	15,67%	15,43%	15,20%	14,97%	14,75%	14,54%	14,33%	14,13%	
62,50	16,51%	16,25%	15,99%	15,74%	15,50%	15,26%	15,03%	14,81%	14,60%	14,39%	14,19%	

### AC17 – Bonar 2117 (Ley NY)

Precio del	Moneda de cotización	TIREA en pesos	Duration	Capital residual		Intereses corridos	Valor técnico	Paridad	Tasa de cupón	Próximo servicio			Vencimiento	
				Monto	%					Renta		Amortización		
22-nov-19	pesos	13,73%	7,61x	100,00	100,00%	2,93	102,93	54,89%	7,125%	28-dic-2019	3,56	28-jun-2117	100,00	28-jun-2117

Tipo de cambio simulado: 60,00

- AC17- SENSIBILIDAD DE LA TIR		PRECIO EN PESOS SIMULADO										
		3.340	3.350	3.360	3.370	3.380	3.390,00	3.400	3.410	3.420	3.430	3.440
TIPO DE CAMBIO SIMULADO	57,50	13,32%	13,28%	13,24%	13,19%	13,15%	<b>13,11%</b>	13,07%	13,03%	12,98%	12,94%	12,90%
	57,75	13,39%	13,34%	13,30%	13,26%	13,21%	<b>13,17%</b>	13,13%	13,09%	13,05%	13,00%	12,96%
	58,00	13,45%	13,40%	13,36%	13,32%	13,28%	<b>13,23%</b>	13,19%	13,15%	13,11%	13,07%	13,02%
	58,25	13,51%	13,47%	13,42%	13,38%	13,34%	<b>13,29%</b>	13,25%	13,21%	13,17%	13,13%	13,09%
	58,50	13,57%	13,53%	13,49%	13,44%	13,40%	<b>13,36%</b>	13,31%	13,27%	13,23%	13,19%	13,15%
	58,75	13,64%	13,59%	13,55%	13,51%	13,46%	<b>13,42%</b>	13,38%	13,33%	13,29%	13,25%	13,21%
	59,00	13,70%	13,66%	13,61%	13,57%	13,52%	<b>13,48%</b>	13,44%	13,39%	13,35%	13,31%	13,27%
	59,25	13,76%	13,72%	13,67%	13,63%	13,59%	<b>13,54%</b>	13,50%	13,46%	13,41%	13,37%	13,33%
	59,50	13,83%	13,78%	13,74%	13,69%	13,65%	<b>13,60%</b>	13,56%	13,52%	13,48%	13,43%	13,39%
	59,75	13,89%	13,84%	13,80%	13,76%	13,71%	<b>13,67%</b>	13,62%	13,58%	13,54%	13,49%	13,45%
	60,00	<b>13,95%</b>	<b>13,91%</b>	<b>13,86%</b>	<b>13,82%</b>	<b>13,77%</b>	<b>13,73%</b>	<b>13,69%</b>	<b>13,64%</b>	<b>13,60%</b>	<b>13,56%</b>	<b>13,51%</b>
	60,25	14,02%	13,97%	13,93%	13,88%	13,84%	<b>13,79%</b>	13,75%	13,70%	13,66%	13,62%	13,57%
	60,50	14,08%	14,03%	13,99%	13,94%	13,90%	<b>13,85%</b>	13,81%	13,77%	13,72%	13,68%	13,63%
	60,75	14,14%	14,10%	14,05%	14,01%	13,96%	<b>13,92%</b>	13,87%	13,83%	13,78%	13,74%	13,70%
	61,00	14,21%	14,16%	14,11%	14,07%	14,02%	<b>13,98%</b>	13,93%	13,89%	13,85%	13,80%	13,76%
61,25	14,27%	14,22%	14,18%	14,13%	14,09%	<b>14,04%</b>	14,00%	13,95%	13,91%	13,86%	13,82%	
61,50	14,33%	14,29%	14,24%	14,19%	14,15%	<b>14,10%</b>	14,06%	14,01%	13,97%	13,92%	13,88%	
61,75	14,40%	14,35%	14,30%	14,26%	14,21%	<b>14,17%</b>	14,12%	14,08%	14,03%	13,99%	13,94%	
62,00	14,46%	14,41%	14,37%	14,32%	14,27%	<b>14,23%</b>	14,18%	14,14%	14,09%	14,05%	14,00%	
62,25	14,53%	14,48%	14,43%	14,38%	14,34%	<b>14,29%</b>	14,25%	14,20%	14,15%	14,11%	14,06%	
62,50	14,59%	14,54%	14,49%	14,45%	14,40%	<b>14,35%</b>	14,31%	14,26%	14,22%	14,17%	14,13%	

