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Alternative Performance Measures reconciliations

Translation of a report originally issued in Spanish. In the event of a discrepancy, the Spanish language version prevails





ALTERNATIVE PERFORMANCE MEASURES

Repsol's financial information contains indicators and measures prepared in accordance with applicable financial reporting standards and regulations, as well as other measures prepared in accordance with the Group's Reporting Model, defined as Alternative Performance Measures (APMs). APMs are measures that are "adjusted" compared to those presented in accordance with IFRS-EU or with Supplementary Information on Oil and Gas Upstream Activities, and the reader should therefore consider them in addition to, but not instead of, the latter.

APMs are useful for users of financial information as they are the measures employed by Repsol's Management to evaluate its financial performance, cash flows or financial position when making operational or strategic decisions for the Group.

For more historical quarterly APM information, see www.repsol.com.

1. Financial performance measures

Adjusted net income

Adjusted net income is the key financial performance measure that Management (the Executive Committee) consults when making decisions.

Repsol presents its segment results including joint ventures or other companies which are jointly managed in accordance with the Group's investment percentage, considering its operational and economic indicators within the same perspective and degree of detail as those for companies consolidated under the full consolidation method. Thus, the Group considers that the nature of its businesses and the way in which results are analyzed for decision-making purposes is adequately reflected.

Adjusted net income is calculated as **Net income from continuing operations at Current Cost of Supply** (or CCS) net of taxes and non-controlling interests. It excludes certain income and expenses (**Special items**) and the **Inventory effect**. **Financial income** is allocated to the adjusted net income of the "Corporate and others" segment.

Adjusted net income is a useful APM for investors in evaluating the performance of operating segments while enabling increased comparability with Oil & Gas sector companies that use different inventory measurement methods (see the following section).

Inventory effect

For current cost of supply (CCS) earnings, the cost of volumes sold is calculated on the basis of procurement and production costs¹ incurred during the period in question and not based on weighted average cost (WAC), which is the accepted methodology under European accounting law and regulations. The difference between CCS earnings and WAC earnings is included in the so-called *Inventory Effect*, which also includes other adjustments to the valuation of inventories (write-offs, economic hedges, etc.) and is presented net of taxes and minority interests. This Inventory Effect largely affects the Industrial segment. Repsol management considers that this measurement is useful for investors, considering the significant variations arising in the prices of inventories between periods.

WAC is a generally accepted European accounting method for measuring inventories. It factors in purchase prices and historic production costs, valuing inventory at the lower between this cost and its market value.

Special items

Significant items for which separate presentation is considered desirable to facilitate the task of monitoring the ordinary management of business operations. This heading includes capital gains/losses arising from divestment, restructuring costs, impairments, provisions for risks and expenses and other major income or expense items outside the ordinary management of the businesses. Special items are presented net of taxes and minority interests.

¹ Cost of supplies is calculated on the basis of international quoted prices in the reference markets in which the Company operates. The relevant average monthly price is applied to each quality of distilled crude. Quoted prices are obtained from daily crude oil publications according to Platts, while freight rates are estimated by Worldscale (which publishes global reference prices for freight costs from one port to another). All other production costs (fixed and variable costs) are valued at the cost recognized in the accounts.

EBITDA

EBITDA, or "Earnings Before Interest, Taxes, Depreciation, and Amortization," is a financial indicator which determines the operating margin of a company prior to deducting interest, taxes, impairment, restructuring costs, and amortization. Since it does not include financial and tax indicators or accounting expenses not involving cash outflow, it is used by Management to evaluate the company's results over time, for a more straightforward exercise in making comparisons with peers within the Oil & Gas sector.

EBITDA is calculated as Operating Income + Amortization + Impairment as well as other items which do not represent cash inflows or outflows from transactions (restructuring, capital gains/losses from divestment, provisions etc.). Operating income corresponds to the result from continuing operations at weighted average cost (WAC). Where **Net income from continuing operations at Current Cost of Supply** (CCS) is used, it is known as **CCS EBITDA**.

ROACE

This APM is used by Repsol Management to evaluate the capacity of its operating assets to generate profit, and therefore measures the efficiency of capital employed (equity and debt).

ROACE ("Return on average capital employed") is calculated as: (Adjusted Net Income before non-controlling and excluding Finance Income + Inventory Effect + Special Items) / (**Average capital employed** for the period in continuing operations, which measures own and external capital employed by the company, and comprises Total Equity + **Net debt**). This includes capital employed in joint ventures or other companies managed operationally as joint ventures. If the Inventory Effect is not used in the calculation process, it is known as CCS ROACE.

2. Cash flow measurements

Cash flow from operations

Cash flow from operations measures the generation of cash flow corresponding to operations and is calculated as: EBITDA +/-Changes in working capital + Collection of dividends + Collection / - payment of income tax + Other collections / - payments relating to operating activities. For its usefulness and to show how cash flow evolves between periods by isolating changes in working capital, cash flow from operations can be presented excluding working capital (cash flow from operations "ex working capital" or "OCF exWC".

Free cash flow

Free cash flow measures cash flow generation from operating and investment activities, and is useful for evaluating the funds available for paying shareholder dividends and servicing debt.

Cash flow generation

Cash generation is **free cash flow** less dividend payments, payment of remuneration for other equity instruments (coupons on perpetual bonds), transactions with non-controlling interests, net interest payments, and payments for leases and treasury shares. This APM measures the funds generated by the Company before financial transactions (mainly debt issuance and repayments).

Liquidity

The Group measures *liquidity* as the sum of "Cash and cash equivalents" on-demand cash deposits at financial institutions, and short and long-term credit facilities that remain undrawn at the end of the period, i.e., credit facilities granted by financial institutions that may be drawn on by the Company on the terms, in the amount and subject to the other conditions agreed in the contract.

Operating investments

Group Management uses this APM to measure each period's investment effort and allocation by business segment, reflecting operating investments by the various Group business units (including accrued and unpaid investments). The figure includes joint ventures or other companies managed operationally as joint ventures.

Investments may be presented as organic (funds invested in the development or maintenance of the Group's projects and assets) or inorganic (acquisition of projects, assets or companies for the expansion of the Group's activities). This distinction is useful in understanding how the Group's Management allocates its resources and allows for a more reliable comparison of investment between periods.

3. Financial position measures

Debt and financial position ratios²

Net Debt is the main APMs used by Management to measure the Company's level of debt. The figure is made up of financial liabilities less financial assets, cash and cash equivalents, and the effect arising from the mark-to-market of financial derivatives. It also includes the net debt of joint ventures and other companies operationally managed as such.

Gross Debt is the measure used to analyze the Group's solvency and includes financial liabilities and the mark-to-market value of derivatives. It also includes the net debt of joint ventures and other companies operationally managed as such.

The following ratios are used by Group Management to evaluate leverage ratios and Group solvency.

- The Leverage ratio is Net debt divided by Capital employed at the end of the period. This ratio can be used to
 examine financial structure and degree of indebtedness in relation to capital contributed by shareholders and
 financing entities. Leverage is the chief measure used to evaluate and compare the Company's financial position with
 respect to its peers in the Oil & Gas industry.
- The **Solvency ratio** is calculated as **Liquidity** (section 2 of this Appendix) divided by **Current Gross debt** and is used to determine the number of times the Group may service its current debt using its existing liquidity.

² In order to facilitate the monitoring of the previous Strategic Plan, until 2020 the measures for net debt and return on equity were further broken down, excluding the effect of lease liabilities.

ALTERNATIVE PERFORMANCE MEASURES

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1. Financial performance measures

Adjusted net income

					Cum	ulative tw	elve mon	ths				
						ADJUST	MENTS					
	•	ed net ome	Reclassi of joint v		Special	items	Invento:	y effect	To: adjust		IFRS-EU lo:	
Million euros	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020
Operating income	4,372 ⁽¹⁾	1,135 ⁽¹⁾	(541)	682	(1,173)	(3,017)	1,099	(1,354)	(615)	(3,689)	3,757	(2,554)
Financial result	(315)	(238)	137	60	449	37	_	_	586	97	271	(141)
Net income of companies accounted for using the equity method - net of tax	(3)	6	314	(618)	(10)	3			304	(615)	301	(609)
Income before tax	4,054	903	(90)	124	(734)	(2,977)	1,099	(1,354)	275	(4,207)	4,329	(3,304)
Income tax	(1,590)	(299)	90	(124)	(22)	63	(279)	344	(211)	283	(1,801)	(16)
Consolidated net income for the year	2,464	604	_	_	(756)	(2,914)	820	(1,010)	64	(3,924)	2,528	(3,320)
Net income attributed to non- controlling interests	(10)	(4)	_	_	4	3	(23)	32	(19)	35	(29)	31
TOTAL NET INCOME ATTRIBUTABLE TO THE PARENT COMPANY	2,454	600		_	(752)	(2,911)	797	(978)	45	(3,889)	2,499	(3,289)

⁽¹⁾ Net income from continuing operations at current cost of supply (CCS).

⁽²⁾ The Inventory effect represents an adjustment to "Procurements" and "Changes in inventory of finished goods and work in progress" on the IFRS-EU income statement.

						Fourth	quarter					
						ADJUST	MENTS					
	Adjusto inco		Reclassi of joint v		Special	items	Inventor	y effect	To: adjust		IFRS-EU los	
Million euros	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020
Operating income	1,606 (1)	464 ⁽¹⁾	(209)	(184)	(588)	(1,374)	232	99	(565)	(1,459)	1,041	(995)
Financial result	(176)	26	44	16	98	92	_	_	142	108	(34)	134
Net income of companies accounted for using the equity method - net of tax	(5)	2	156	401	(10)	(1)	_	_	146	400	141	402
Income before tax	1,425	492	(9)	233	(500)	(1,283)	232	99	(277)	(951)	1,148	(459)
Income tax	(541)	(88)	9	(233)	17	97	(60)	(25)	(34)	(161)	(575)	(249)
Consolidated net income for the year	884	404		_	(483)	(1,186)	172	74	(311)	(1,112)	573	(708)
Net income attributed to non- controlling interests	(12)			_	2	1	(3)	(4)	(1)	(3)	(13)	(3)
TOTAL NET INCOME ATTRIBUTABLE TO THE PARENT COMPANY	872	404		_	(481)	(1,185)	169	70	(312)	(1,115)	560	(711)

⁽¹⁾ Net income from continuing operations at current cost of supply (CCS).

⁽²⁾ The Inventory effect represents an adjustment to "Procurements" and "Changes in inventory of finished goods and work in progress" on the IFRS-EU income statement.

Special items

	12	Q4		
Million euros	2021	2020	2021	2020
Divestments	13	174	(2)	104
Indemnities and workforce restructuring	(93)	(124)	(27)	(51)
Impairment of assets	(699)	(2,812)	(667)	(1,513)
Provisions and others	27	(149)	215	275
TOTAL	(752)	(2,911)	(481)	(1,185)

EBITDA

		Cumulative twelve months									
	Group Rep Mod		Reclassification ventures and		Inventory	effect ⁽¹⁾	IFRS-EU	J ⁽²⁾			
Million euros	2021	2020	2021	2020	2021	2020	2021	2020			
Upstream	4,429	2,090	(1,385)	(930)	_	_	3,044	1,160			
Industrial	2,654	(161)	(54)	(32)	1,030	(1,332)	2,600	(193)			
Commercial and Renewables	1,219	970	(19)	(10)	69	(22)	1,200	960			
Corporate and others	(132)	(169)	7	12	_	_	(125)	(157)			
EBITDA	8,170	2,730	(1,451)	(960)	_	_	6,719	1,770			
Inventory effect (1)	(1,099)	1,354	_	_	_	_	_				
CCS EBITDA	7,071	4,084	(1,451)	(960)	1,099	(1,354)	6,719	1,770			

Before tax.
(2) Corresponds to "Income before tax" and "Adjustments to profit" on the consolidated statement of cash flows under IFRS-EU.

Cumulative twelve months									
Group Reporting Model				IFRS-EU ⁽¹⁾					
2021	2020	2021	2020	2021	2020				
4,419	(3,428)	(90)	124	4,329	(3,304)				
2,562	2,880	(558)	(673)	2,004	2,207				
1,348	3,177	(413)	(973)	935	2,204				
(159)	101	(390)	562	(549)	663				
8,170	2,730	(1,451)	(960)	6,719	1,770				
	2021 4,419 2,562 1,348 (159)	2021 2020 4,419 (3,428) 2,562 2,880 1,348 3,177 (159) 101	Group Reporting Model Joint venture recand of the and of	2021 2020 2021 2020 4,419 (3,428) (90) 124 2,562 2,880 (558) (673) 1,348 3,177 (413) (973) (159) 101 (390) 562	Group Reporting Model Joint venture reclassification and others IFRS-EL 2021 2020 2021 2020 2021 4,419 (3,428) (90) 124 4,329 2,562 2,880 (558) (673) 2,004 1,348 3,177 (413) (973) 935 (159) 101 (390) 562 (549)				

⁽¹⁾ Corresponds to "Income before tax" and "Adjustments to income" on the consolidated statement of cash flows under IFRS-EU.

		Fourth quarter								
	Group Rep Mod		Reclassification ventures and		Inventory e	ffect ⁽¹⁾	IFRS-EU	(2)		
Million euros	2021	2020	2021	2020	2021	2020	2021	2020		
Upstream	1,502	643	(451)	(246)	_	_	1,051	397		
Industrial	790	363	(5)	(9)	213	93	785	354		
Commercial and Renewables	347	294	(6)	(5)	19	6	341	289		
Corporate and others	(55)	(41)	(18)	(23)	_	_	(73)	(64)		
EBITDA	2,584	1,259	(480)	(283)	232	99	2,104	976		
Inventory effect (1)	(232)	(99)								
CCS EBITDA	2,352	1,160	(480)	(283)	232	99	2,104.0020	976		

⁽²⁾ Corresponds to "Income before tax" and "Adjustments to profit" on the consolidated statement of cash flows under IFRS-EU.

	Fourth quarter								
	Group Report	ing Model	Joint venture re and oth		IFRS-EU	J ⁽¹⁾			
Million euros	2021	2020	2021	2020	2021	2020			
Net income before tax	1,157	(693)	(9)	234	1,148	(459)			
Adjusted result:									
Depreciation of property, plant and equipment	664	677	(149)	(143)	515	534			
Operating provisions	702	1,439	(174)	44	528	1,483			
Other items	61	(164)	(148)	(418)	(87)	(582)			
EBITDA	2,584	1,259	(480)	(283)	2,104	976			

⁽¹⁾ Corresponds to "Income before tax" and "Adjustments to income" on the consolidated statement of cash flows under IFRS-EU.

ROACE

NUMERATOR (Million euros)	2021	2020
Operating income IFRS-EU	3,757	(2,554)
Reclassification of joint ventures	541	(682)
Income tax ⁽¹⁾	(1,994)	97
Net income of companies accounted for using the equity method - net of tax	(13)	9
I.ROACE result at weighted average cost	2,291	(3,130)
DENOMINATOR (Millions euros)	2021	2020
Total equity	22,794	20,539
Net debt	5,762	6,778
Capital employed at period-end	28,556	27,317
II. Average capital employed ⁽²⁾	27,937	30,304
ROACE (I/II) ⁽³⁾	8.2	(10.3)

Does not include income tax corresponding to financial results.

2. Cash flow measurements

Free cash flow and cash flow generation

			Cumulative twelv	ve months		
	Adjusted cash flow		Reclassification ventures and		IFRS-EU statement of cash flow	
Million euros	2021	2020	2021	2020	2021	2020
I. Cash flows from / (used in) operating activities (cash flow from operations)	5,453	3,197	(776)	(459)	4,677	2,738
II. Cash flows from / (used in) investing activities	(2,614)	(1,218)	(319)	1,440	(2,933)	222
Free cash flow (I+II)	2,839	1,979	(1,095)	981	1,744	2,960
Cash flow generation	1,293	811	(1,052)	1,008	241	1,819
$\underset{(1)}{\hbox{III.}}$ Cash flows from / (used in) financing activities and others	(1,511)	(619)	1,041	(999)	(470)	(1,618)
Net increase / (decrease) in cash and cash equivalents (I+II+III)	1,328	1,360	(54)	(18)	1,274	1,342
Cash and cash equivalents at the beginning of the period	4,578	3,218	(257)	(239)	4,321	2,979
Cash and cash equivalents at the end of the period	5,906	4,578	(311)	(257)	5,595	4,321

⁽¹⁾ Includes payments for dividends and returns on other equity instruments, interest payments, other proceeds from/ (payments for) financing activities, proceeds from / (payments for) the issue / (return) of equity instruments, proceeds from / (payments for) financial liabilities and the exchange rate fluctuations effect.

Corresponds to the average balance of capital employed at the beginning and end of the year.

⁽³⁾ ROACE on CCS (without taking into account the Inventory Effect) amounts to 5.2%.

Fourth auarter

	Fourth quarter					
	Adjusted	Adjusted cash flow		Reclassification of joint ventures and others		6-EU of cash flow
Million euros	2021	2020	2021	2020	2021	2020
I. Cash flows from / (used in) operating activities (cash flow from operations)	2,082	1,075	(218)	(71)	1,864	1,004
II. Cash flows from / (used in) investing activities	(1,098)	(408)	(197)	(734)	(1,295)	(1,142)
Free cash flow (I+II)	984	667	(415)	(805)	569	(138)
Cash flow generation	865	351	(401)	(806)	464	(455)
III. Cash flows from / (used in) financing activities and others	(982)	(1,311)	422	801	(560)	(510)
Net increase / (decrease) in cash and cash equivalents (I+II+III)	2	(644)	7	(4)	9	(648)
Cash and cash equivalents at the beginning of the period	5,904	5,222	(318)	(253)	5,586	4,969
Cash and cash equivalents at the end of the period	5,906	4,578	(311)	(257)	5,595	4,321

⁽¹⁾ Includes payments for dividends and returns on other equity instruments, interest payments, other proceeds from/ (payments for) financing activities, proceeds from / (payments for) the issue / (return) of equity instruments, proceeds from / (payments for) financial liabilities and the exchange rate fluctuations effect.

Liquidity

		Cumulative twelve months							
	Group Repo	rting Model	Reclassification ventures and		IFRS	-EU			
Million euros	2021	2020	2021	2020	2021	2020			
Cash and cash equivalents	5,906	4,578	(311)	(257)	5,595	4,321			
Undrawn credit lines	2,675	3,436	(12)	(11)	2,664	3,425			
On-demand cash deposits (1)	2,025	1,181		_	2,024	1,181			
Liquidity	10,606	9,195	(323)	(268)	10,283	8,926			

⁽¹⁾ Repsol contracts on-demand cash deposits, which are recorded under "Other current financial assets" and which do not meet the accounting criteria for classification as cash and cash equivalents.

Operating investments

		Cumulative twelve months								
Million euros	Operating in	Reclassification ventures and		IFRS-EU ⁽¹⁾						
	2021	2020	2021	2020	2021	2020				
Upstream	1,223	948	(493)	(230)	730	718				
Industrial	859	565	(33)	(14)	826	551				
Commercial and Renewables	829	739	19	(46)	848	693				
Corporate and others	83	56	_	-	83	56				
TOTAL	2,994	2,308	(507)	(290)	2,487	2,018				

¹⁾ This corresponds to "Payments on investments" on the consolidated statement of cash flows prepared under IFRS-EU, and does not include items corresponding to "Other financial assets".

		Fourth quarter					
	Operating i	Operating investments		Reclassification of joint ventures and others		IFRS-EU ⁽¹⁾	
Million euros	2021	2020	2021	2020	2021	2020	
Upstream	534	182	(246)	(85)	288	97	
Industrial	493	225	(22)	(10)	471	215	
Commercial and Renewables	294	339	21	(42)	315	297	
Corporate and others	39	23		_	39	23	
TOTAL	1,360	769	(247)	(137)	1,113	632	

⁽¹⁾ This corresponds to "Payments on investments" on the consolidated statement of cash flows prepared under IFRS-EU, and does not include items corresponding to "Other financial assets".

3. Financial position measures

Net debt

	Net debt	Reclassification of joint ventures	IFRS-EU balance sheet
Million euros	Dic-2021	Dic-2021	Dic-2021
Non-current assets			
Non-current financial instruments ⁽¹⁾	431	702	1,133
Current assets			
Other current financial assets	2,459	(8)	2,451
Cash and cash equivalents	5,906	(311)	5,595
Non-current liabilities			
Non-current financial liabilities ⁽²⁾	(10,810)	625	(10,185)
Current liabilities			
Current financial liabilities (2)	(3,748)	(863)	(4,611)
NET DEBT ^{(3) (4)}	(5,762)	145	(5,617)

 $^{^{(1)}}$ Amounts included under "Non-current financial assets" in the consolidated balance sheet.

Gross debt

	Gross debt	Reclassification of joint ventures and others	IFRS - EU balance sheet
Million euros	Dic-2021	Dic-2021	Dic-2021
Current financial liabilities	(3,628)	(862)	(4,490)
Net mark to market valuation of current exchange rate financialderivatives	36		36
Current gross debt	(3,592)	(862)	(4,454)
Non-current financial liabilities	(10,731)	624	(10,107)
Net mark to market valuation of non-current exchange rate derivatives	9		9
Non-current gross debt	(10,722)	624	(10,098)
GROSS DEBT (1)	(14,314)	(238)	(14,552)

 $^{^{\}rm (1)}$ The reconciliations in previous periods for this figure are available at www.repsol.com.

Leverage ratio

Cumulative twelve months

	Group Reporting Model		Joint venture reclassification		IFRS - EU Balance sheet	
Million euros	2021	2020	2021	2020	2021	2020
Net debt	5,762	6,778	145	(2,462)	5,617	9,240
Capital employed	28,556	27,317	(145)	2,462	28,411	29,779
Leverage	20.2%	24.8%			19.8%	31.0%

⁽¹⁾ In 2020 it included mainly the net financing of the Repsol Sinopec Brasil Group (a joint venture owned 60% by Repsol and 40% by the Sinopec Group, see Note 13 to the 2020 consolidated Financial Statements). In 2021 the partial spin-off of Repsol Sinopec Brasil, B.V. was carried out, whereby the loans granted to its partners were transferred to each of their subsidiaries, thereby reducing the value of the investment in this company and derecognizing the related loan from the consolidated balance sheet (see Note 7.1 to the consolidated Financial Statements of 2021).

⁽²⁾ Includes net non-current and current leases amounting to €3,045 and €636 million, respectively, according to the Reporting model and €2,429 and €499 million, respectively, according to the IFRS-EU balance sheet.

⁽³⁾ In 2020 it included the adjustment for the elimination of the net mark-to-market value of financial derivatives other than exchange rate derivatives, which the Group has decided to discontinue considering as from 2021 due to their low representativeness.

⁽⁴⁾ The reconciliations in previous period are available at www.repsol.com.

Solvency ratio

Cumulative twelve months

	Group Repo	Group Reporting Model		Joint venture reclassification		IFRS - EU Balance sheet	
Million euros	2021	2020	2021	2020	2021	2020	
Liquidity	10,606	9,195	(323)	(268)	10,283	8,926	
Current Gross debt	3,592	2,850	862	822	4,454	3,213	
Solvency	3.0	3.2			2.3	2.8	