

## STRENGTH REPORT

## ENERGY

"I make my best decisions when I am disorganized"

Said no one, ever

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## OVERVIEW

Industry/Sub-Industry

	OLDEST 7 Days - 10/10/22 to 10/17/22	OLDER 7 Days - 10/17/22 to 10/24/22	NEWER 7 Days - 10/24/22 to 10/31/22	NEWEST / CURRENT 7 Days - 10/31/22 to 11/07/22	Status 11/07/22
<b>ENERGY</b>	Strengthened	Strengthened	Strengthened	Strengthened	3 Stronger
ENERGY - Independent Oil & Gas	Strengthened	Unchanged	Strengthened	Strengthened	3 Stronger
ENERGY - Major Integrated Oil & Gas	Strengthened	Strengthened	Strengthened	Strengthened	1 Strongest
ENERGY - Oil & Gas Drilling & Exploration	Weakened	Strengthened	Unchanged	Unchanged	2 Very Strong
ENERGY - Oil & Gas Equipment & Services	Strengthened	Strengthened	Strengthened	Strengthened	3 Stronger
ENERGY - Oil & Gas Pipelines	Strengthened	Weakened	Strengthened	Strengthened	3 Stronger
ENERGY - Oil & Gas Refining & Marketing	Strengthened	Strengthened	Strengthened	Strengthened	3 Stronger
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NEWEST / CURRENT	7 Days - 10/31/22 to 11/07/22	#	Min	Max	Avg	Status	Lower Strength	STRENGTH CHANGE	Higher Strength
<b>ENERGY</b>	Strengthened	133	-1%	15%	4%	3 Stronger	KEY: No change	<- Weakened	-> Strengthened
ENERGY - Independent Oil & Gas	Strengthened	52	-7%	15%	5%	3 Stronger			-> ->
ENERGY - Major Integrated Oil & Gas	Strengthened	6	3%	9%	5%	1 Strongest			-> ->
ENERGY - Oil & Gas Drilling & Exploration	Unchanged	2	4%	6%	5%	2 Very Strong			-> ->
ENERGY - Oil & Gas Equipment & Services	Strengthened	24	-9%	15%	5%	3 Stronger			-> ->
ENERGY - Oil & Gas Pipelines	Strengthened	31	-5%	11%	1%	3 Stronger			-> ->
ENERGY - Oil & Gas Refining & Marketing	Strengthened	18	-1%	13%	2%	3 Stronger			-> ->
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NEWER	7 Days - 10/24/22 to 10/31/22	#	Min	Max	Avg	Status	Lower Strength	STRENGTH CHANGE	Higher Strength
<b>ENERGY</b>	Strengthened	133	-10%	34%	5%	3 Stronger	KEY: No change	<- Weakened	-> Strengthened
ENERGY - Independent Oil & Gas	Strengthened	52	-6%	14%	3%	3 Stronger			-> ->
ENERGY - Major Integrated Oil & Gas	Strengthened	6	2%	6%	4%	2 Very Strong			-> ->
ENERGY - Oil & Gas Drilling & Exploration	Unchanged	2	0%	0%	0%	2 Very Strong			-> ->
ENERGY - Oil & Gas Equipment & Services	Strengthened	24	-10%	34%	9%	3 Stronger			-> ->
ENERGY - Oil & Gas Pipelines	Strengthened	31	-3%	13%	4%	4 Strong			-> ->
ENERGY - Oil & Gas Refining & Marketing	Strengthened	18	-7%	17%	4%	3 Stronger			-> ->
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OLDER	7 Days - 10/17/22 to 10/24/22	#	Min	Max	Avg	Status	Lower Strength	STRENGTH CHANGE	Higher Strength
<b>ENERGY</b>	Strengthened	133	-3%	22%	6%	4 Strong	KEY: No change	<- Weakened	-> Strengthened
ENERGY - Independent Oil & Gas	Unchanged	52	-8%	13%	4%	4 Strong			-> ->
ENERGY - Major Integrated Oil & Gas	Strengthened	6	1%	13%	6%	3 Stronger			-> ->
ENERGY - Oil & Gas Drilling & Exploration	Strengthened	2	3%	8%	5%	2 Very Strong			-> ->
ENERGY - Oil & Gas Equipment & Services	Strengthened	24	2%	22%	13%	3 Stronger			-> ->
ENERGY - Oil & Gas Pipelines	Weakened	31	-4%	14%	2%	5 Average			-> ->
ENERGY - Oil & Gas Refining & Marketing	Strengthened	18	0%	20%	7%	3 Stronger			-> ->
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OLDEST	7 Days - 10/10/22 to 10/17/22	#	Min	Max	Avg	Status	Lower Strength	STRENGTH CHANGE	Higher Strength
<b>ENERGY</b>	Strengthened	133	-12%	13%	2%	4 Strong	KEY: No change	<- Weakened	-> Strengthened
ENERGY - Independent Oil & Gas	Strengthened	52	-12%	10%	0%	4 Strong			-> ->
ENERGY - Major Integrated Oil & Gas	Strengthened	6	-6%	3%	-1%	3 Stronger			-> ->
ENERGY - Oil & Gas Drilling & Exploration	Weakened	2	-1%	1%	-1%	3 Stronger			-> ->
ENERGY - Oil & Gas Equipment & Services	Strengthened	24	-1%	11%	2%	5 Average			-> ->
ENERGY - Oil & Gas Pipelines	Strengthened	31	0%	9%	4%	4 Strong			-> ->
ENERGY - Oil & Gas Refining & Marketing	Strengthened	18	-8%	13%	3%	4 Strong			-> ->
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Lower Strength STRENGTH CHANGE Higher Strength

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*Said no one, ever*

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1 week 10/31/22 to 11/07/22

Sub-Industry	Company	Rank	Ticker	% Chg	Status	STRENGTH CHANGE		
						KEY: -> Strengthened	<- Weakened	No change
ENERGY - Independent Oil & Gas	Permian Resources Corporation	4.0	1	PR	14%	1 Strongest		
ENERGY - Independent Oil & Gas	Matador Resources Company	4.0	2	MTDR	10%	1 Strongest		
ENERGY - Independent Oil & Gas	Brigham Minerals Inc	4.0	3	MNRL	10%	1 Strongest		
ENERGY - Independent Oil & Gas	APA Corporation	4.0	4	APA	9%	1 Strongest		
ENERGY - Independent Oil & Gas	Marathon Oil Group	4.0	5	MRO	8%	1 Strongest		
ENERGY - Independent Oil & Gas	Enerplus Resources Fund	4.0	6	ERF	8%	1 Strongest		
ENERGY - Independent Oil & Gas	Black Stone Minerals LP	4.0	7	BSM	8%	1 Strongest		
ENERGY - Independent Oil & Gas	SM Energy Company	4.0	8	SM	8%	1 Strongest		
ENERGY - Independent Oil & Gas	Ranger Oil Corporation	4.0	9	ROCC	8%	1 Strongest		
ENERGY - Independent Oil & Gas	ConocoPhillips	4.0	10	COP	7%	1 Strongest		
ENERGY - Independent Oil & Gas	Eog Resources Inc	4.0	11	EOG	7%	1 Strongest		
ENERGY - Independent Oil & Gas	Viper Energy Partners LP	4.0	12	VNOM	6%	1 Strongest		
ENERGY - Independent Oil & Gas	Denbury Inc	4.0	13	DEN	6%	1 Strongest		
ENERGY - Independent Oil & Gas	Evolution Petroleum Corp	4.0	14	EPM	6%	1 Strongest		
ENERGY - Independent Oil & Gas	Chord Energy Corporation	4.0	15	CHRD	5%	1 Strongest		
ENERGY - Independent Oil & Gas	Vista Oil & Gas` S.A.B. de C.V.	4.0	16	VIST	5%	1 Strongest		
ENERGY - Independent Oil & Gas	Diamondback Energy` Inc.	4.0	17	FANG	4%	1 Strongest		
ENERGY - Independent Oil & Gas	Permian Basin Royalty Tr	4.0	18	PBT	3%	1 Strongest		
ENERGY - Independent Oil & Gas	Talos Energy Inc	4.0	19	TALO	2%	1 Strongest		
ENERGY - Independent Oil & Gas	Earthstone Energy	4.0	20	ESTE	2%	1 Strongest		
ENERGY - Independent Oil & Gas	Civitas Resources Inc	4.0	21	CIVI	1%	1 Strongest		
ENERGY - Independent Oil & Gas	Pioneer Natural Rescs Co	4.0	22	PXD	1%	1 Strongest		
ENERGY - Independent Oil & Gas	Continental Resources Inc	4.0	23	CLR	0%	1 Strongest		
ENERGY - Independent Oil & Gas	Murphy Oil Corp	4.0	24	MUR	0%	1 Strongest		
ENERGY - Independent Oil & Gas	Kimbell Royalty Partners	4.0	25	KRP	-2%	1 Strongest		
ENERGY - Independent Oil & Gas	Amplify Energy Corp	4.0	26	AMPY	-4%	1 Strongest		
ENERGY - Independent Oil & Gas	PDC Energy` Inc.	2.0	27	PDCE	-13%	2 Very Strong		
ENERGY - Independent Oil & Gas	Kosmos Energy Ltd	3.0	28	KOS	-13%	2 Very Strong		
ENERGY - Independent Oil & Gas	Berry Corp	3.0	29	BRY	-10%	2 Very Strong		
ENERGY - Independent Oil & Gas	Riley Exploration Permian Inc	2.0	30	REPX	-10%	2 Very Strong		
ENERGY - Independent Oil & Gas	CNX Resources Corporation	3.0	31	CNX	8%	2 Very Strong		
ENERGY - Independent Oil & Gas	Crescent Point Energy	2.0	32	CPG	7%	2 Very Strong		
ENERGY - Independent Oil & Gas	Canadian Natural Res Ltd	2.0	33	CNQ	2%	2 Very Strong		
ENERGY - Independent Oil & Gas	SandRidge Energy Inc	2.0	34	SD	15%	3 Stronger		
ENERGY - Independent Oil & Gas	Comstock Resources Inc	1.0	35	CRK	8%	3 Stronger		
ENERGY - Independent Oil & Gas	California Resources Corporation	2.0	36	CRC	8%	3 Stronger		
ENERGY - Independent Oil & Gas	Antero Resources Corporation	2.0	37	AR	7%	3 Stronger		
ENERGY - Independent Oil & Gas	Vermilion Energy Inc.	3.0	38	VET	6%	3 Stronger		
ENERGY - Independent Oil & Gas	Eqt Corporation	3.0	39	EQT	6%	3 Stronger		
ENERGY - Independent Oil & Gas	Southwestern Energy Co	3.0	40	SWN	5%	3 Stronger		
ENERGY - Independent Oil & Gas	Range Resources Corp	3.0	41	RRC	5%	3 Stronger		
ENERGY - Independent Oil & Gas	San Juan Basin Roy Tr	3.0	42	SJT	3%	3 Stronger		
ENERGY - Independent Oil & Gas	Devon Energy Corp	1.0	43	DVN	-7%	3 Stronger		
ENERGY - Independent Oil & Gas	Callon Petroleum Co	3.0	44	CPE	-10%	3 Stronger		
ENERGY - Independent Oil & Gas	SilverBow Resorces Inc	1.0	45	SBOW	5%	4 Strong		
ENERGY - Independent Oil & Gas	Gulfport Energy Corp	2.0	46	GPOR	1%	5 Average		
ENERGY - Independent Oil & Gas	BP Prudhoe Bay Royal Trust	3.0	47	BPT	10%	5 Average		
ENERGY - Independent Oil & Gas	Laredo Petroleum Inc	3.0	48	LPI	7%	5 Average		
ENERGY - Independent Oil & Gas	HighPeak Energy Inc	1.0	49	HPK	4%	5 Average		
ENERGY - Independent Oil & Gas	Vaalco Energy Inc	1.0	50	EGY	1%	5 Average		
ENERGY - Independent Oil & Gas	PermRock Royalty Trust	2.0	51	PRT	2%	7 Weaker		
ENERGY - Independent Oil & Gas	National Fuel Gas Co	1.0	52	NFG	-5%	7 Weaker		
ENERGY - Major Integrated Oil & Gas	Ovintiv Inc	5.0	1	OVV	9%	1 Strongest		
ENERGY - Major Integrated Oil & Gas	Cenovus Energy Incorporated	5.0	2	CVE	5%	1 Strongest		
ENERGY - Major Integrated Oil & Gas	Occidental Petro Cp	5.0	3	OXY	5%	1 Strongest		
ENERGY - Major Integrated Oil & Gas	Chevron Corp	5.0	4	CVX	3%	1 Strongest		
ENERGY - Major Integrated Oil & Gas	Exxon Mobil Corporation	5.0	5	XOM	3%	1 Strongest		
ENERGY - Major Integrated Oil & Gas	Suncor Energy	3.0	6	SU	5%	2 Very Strong		
ENERGY - Oil & Gas Drilling & Exploration	Northern Oil and Gas Inc	3.0	1	NOG	4%	1 Strongest		
ENERGY - Oil & Gas Drilling & Exploration	GeoPark Limited	1.0	2	GPRK	6%	2 Very Strong		
ENERGY - Oil & Gas Equipment & Services	Fmc Technologies	4.0	1	FTI	15%	1 Strongest		
ENERGY - Oil & Gas Equipment & Services	ChampionX Corporation	4.0	2	CHX	10%	1 Strongest		
ENERGY - Oil & Gas Equipment & Services	NOV Inc	4.0	3	NOV	7%	1 Strongest		
ENERGY - Oil & Gas Equipment & Services	Liberty Oilfield Services Inc	4.0	4	LBRT	7%	1 Strongest		
ENERGY - Oil & Gas Equipment & Services	Helmerich & Payne Inc	4.0	5	HP	6%	1 Strongest		
ENERGY - Oil & Gas Equipment & Services	Weatherford International plc	4.0	6	WFRD	6%	1 Strongest		
ENERGY - Oil & Gas Equipment & Services	Schlumberger Ltd	4.0	7	SLB	5%	1 Strongest		
ENERGY - Oil & Gas Equipment & Services	NexTier Oilfield Solutions Inc	4.0	8	NEX	4%	1 Strongest		
ENERGY - Oil & Gas Equipment & Services	Solaris Oilfield Infrastructure	4.0	9	SOI	-9%	1 Strongest		
ENERGY - Oil & Gas Equipment & Services	Archrock Inc	3.0	10	AROC	-13%	2 Very Strong		

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ENERGY - Oil & Gas Equipment & Services	Precision Drilling Corp	2.0	11	PDS	11%	2 Very Strong	
ENERGY - Oil & Gas Equipment & Services	Baker Hughes Company	3.0	12	BKR	11%	2 Very Strong	
ENERGY - Oil & Gas Equipment & Services	Halliburton Co	2.0	13	HAL	9%	2 Very Strong	
ENERGY - Oil & Gas Equipment & Services	Patterson-UTI Energy Inc	2.0	14	PTEN	8%	2 Very Strong	
ENERGY - Oil & Gas Equipment & Services	Cactus Inc	2.0	15	WHD	7%	2 Very Strong	
ENERGY - Oil & Gas Equipment & Services	ProPetro Holding Corp	2.0	16	PUMP	2%	2 Very Strong	
ENERGY - Oil & Gas Equipment & Services	Ranger Energy Services Inc	3.0	17	RNGR	2%	2 Very Strong	
ENERGY - Oil & Gas Equipment & Services	Nabors Industries Inc	2.0	18	NBR	2%	2 Very Strong	
ENERGY - Oil & Gas Equipment & Services	Oceaneering International Inc	2.0	19	OII	2%	2 Very Strong	
ENERGY - Oil & Gas Equipment & Services	RPC Inc	2.0	20	RES	-6%	2 Very Strong	
ENERGY - Oil & Gas Equipment & Services	NOW Inc	1.0	21	DNOW	-1%	3 Stronger	
ENERGY - Oil & Gas Equipment & Services	Dril-Quip Inc	2.0	22	DRQ	5%	3 Stronger	
ENERGY - Oil & Gas Equipment & Services	NACG Holdings Inc	3.0	23	NOA	3%	4 Strong	
ENERGY - Oil & Gas Equipment & Services	Core Laboratories N.V.	2.0	24	CLB	8%	6 Weak	
ENERGY - Oil & Gas Pipelines	FLEX LNG Ltd	4.0	1	FLNG	11%	1 Strongest	
ENERGY - Oil & Gas Pipelines	Plains All Amer Pipeline LP	4.0	2	PAA	5%	1 Strongest	
ENERGY - Oil & Gas Pipelines	Plains GP Holdings LP	4.0	3	PAGP	5%	1 Strongest	
ENERGY - Oil & Gas Pipelines	PBF Logistics LP	4.0	4	PBFX	3%	1 Strongest	
ENERGY - Oil & Gas Pipelines	MPLX LP	4.0	5	MPLX	3%	1 Strongest	
ENERGY - Oil & Gas Pipelines	EnLink Midstream LLC	4.0	6	ENLC	2%	1 Strongest	
ENERGY - Oil & Gas Pipelines	DT Midstream Inc	4.0	7	DTM	2%	1 Strongest	
ENERGY - Oil & Gas Pipelines	Holly Energy Partners LP	4.0	8	HEP	-1%	1 Strongest	
ENERGY - Oil & Gas Pipelines	DCP Midstream LP	4.0	9	DCP	-1%	1 Strongest	
ENERGY - Oil & Gas Pipelines	Energy Transfer Equity LP	4.0	10	ET	-3%	1 Strongest	
ENERGY - Oil & Gas Pipelines	Cheniere Energy Inc	4.0	11	LNG	-3%	1 Strongest	
ENERGY - Oil & Gas Pipelines	Crestwood Equity Partners LP	4.0	12	CEQP	-4%	1 Strongest	
ENERGY - Oil & Gas Pipelines	Cheniere Energy Partners LP	4.0	13	CQP	-5%	1 Strongest	
ENERGY - Oil & Gas Pipelines	Targa Resources Corp	3.0	14	TRGP	4%	2 Very Strong	
ENERGY - Oil & Gas Pipelines	Antero Midstream Corporation	2.0	15	AM	4%	2 Very Strong	
ENERGY - Oil & Gas Pipelines	New Fortress Energy Inc	2.0	16	NFE	7%	3 Stronger	
ENERGY - Oil & Gas Pipelines	USA Compression Partners' LP	2.0	17	USAC	1%	3 Stronger	
ENERGY - Oil & Gas Pipelines	Western Midstream Partners LP	1.0	18	WES	-5%	3 Stronger	
ENERGY - Oil & Gas Pipelines	Magellan Midstream Partners LP	1.0	19	MMP	-5%	3 Stronger	
ENERGY - Oil & Gas Pipelines	Williams Companies Inc	2.0	20	WMB	3%	4 Strong	
ENERGY - Oil & Gas Pipelines	Nustar Energy LP	1.0	21	NS	1%	4 Strong	
ENERGY - Oil & Gas Pipelines	Kinder Morgan Inc	2.0	22	KMI	1%	4 Strong	
ENERGY - Oil & Gas Pipelines	Genesis Energy (L.P.)	2.0	23	GEL	-3%	4 Strong	
ENERGY - Oil & Gas Pipelines	Delek Logistics Partners' LP	2.0	24	DKL	0%	5 Average	
ENERGY - Oil & Gas Pipelines	Oneok Inc	3.0	25	OKE	4%	5 Average	
ENERGY - Oil & Gas Pipelines	Pembina Pipeline Corporation	3.0	26	PBA	3%	5 Average	
ENERGY - Oil & Gas Pipelines	Hess Midstream GP LLC	3.0	27	HESM	2%	5 Average	
ENERGY - Oil & Gas Pipelines	Equitrans Midstream	2.0	28	ETRN	-2%	6 Weak	
ENERGY - Oil & Gas Pipelines	Enterprise Products Part	2.0	29	EPD	-1%	7 Weaker	
ENERGY - Oil & Gas Pipelines	Enbridge Inc	3.0	30	ENB	3%	7 Weaker	
ENERGY - Oil & Gas Pipelines	Transcanada Pipelines	3.0	31	TRP	1%	7 Weaker	
ENERGY - Oil & Gas Refining & Marketing	Delek US Holdings Inc	4.0	1	DK	13%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	PBF Energy Inc.	4.0	2	PBF	7%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	Hess Corp	4.0	3	HES	5%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	Marathon Petroleum Corp	4.0	4	MPC	5%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	Valero Energy Corp	4.0	5	VLO	5%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	Imperial Oil Ltd	4.0	6	IMO	5%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	HF Sinclair Corporation	4.0	7	DINO	4%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	CVR Energy Inc	4.0	8	CVI	3%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	Par Pacific Holdings Inc	4.0	9	PARR	2%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	Phillips 66	4.0	10	PSX	1%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	Calumet Specialty Products Partners	4.0	11	CLMT	0%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	Murphy USA Inc	4.0	12	MUSA	-3%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	Global Partners LP	4.0	13	GLP	-11%	1 Strongest	
ENERGY - Oil & Gas Refining & Marketing	World Fuel Service Corp	3.0	14	INT	-6%	2 Very Strong	
ENERGY - Oil & Gas Refining & Marketing	Valvoline	3.0	15	VVV	5%	4 Strong	
ENERGY - Oil & Gas Refining & Marketing	Sunoco LP	1.0	16	SUN	-3%	4 Strong	
ENERGY - Oil & Gas Refining & Marketing	CrossAmerica Partners LP	2.5	17	CAPL	-3%	9 Weakest	
ENERGY - Oil & Gas Refining & Marketing	Green Plains Partners LP	1.5	18	GPP	-9%	9 Weakest	