

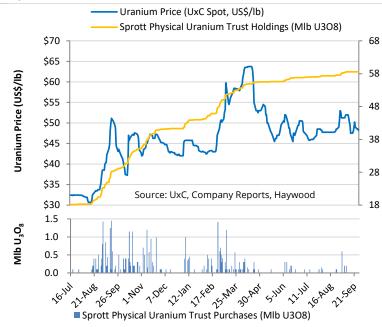
URANIUM WEEKLY

Uranium Stocks Continue to Swing on Elevated Market Volatility

WEAKNESS STILL = OPPORTUNITY

Uranium Price Update & Sector Commentary: Close of September 28th, 2022

Broader market volatility continued to accelerate early this week with the VIX peaking at almost 35, up 27.5% from since last Thursday. Uranium stocks continue to exhibit significant beta to major benchmarks with amplified returns on both up and down days. Yesterday as the broader markets rallied around 2%, our uranium equity universe rallied an average of 3.7%, with the 'Producers/NEO Producers' sub-group leading the pack, up an average of 4.9%. A couple of weeks back we highlighted that weakness=opportunity in uranium stocks which are currently overreacting to market swings. We see the down-days in this high-volatility environment often producing quick materially discounted prices in the uranium names creating great entry points and trade opportunities for those looking to take advantage of the swings. As volatility wanes, we expect the 'market discount to NAV' condition seen in the Sprott Physical Uranium Trust (aka SPUT, U.UN-T (C\$), U.U-T (US\$), Not Rated) to correct and stabilize, which should drive incremental additions to its physical holdings. In 'Demand' news, we saw France making moves to lubricate the bureaucratic process facing new reactor construction in the Country. President Macron expects the Country to build a minimum of 6 new reactors to meet the future carbon neutrality mandate. The Country plans to commence construction of its first EPR2 reactor ahead of May 2027, before Macron's presidential term ends. That reactor is expected to enter commercial operations in 2035-36, reflecting a >8-year construction window. For that to happen, the bureaucratic process must be completed within 5-years, with a new Bill being drafted designed to ensure that's possible. France expects to invest ~US\$50 B for the proposed 6 new reactors.



Uranium required and cost to make 1kg of EUP ($4.5\% U^{235}$): Mine/plant output of 26.7 lb U₃O₈ (\$1,288 cost) -> Conversion to UF₆ (\$388 cost) -> delivers 10.22 kgU as UF₆ (\$1,677 cumulative cost) -> enrichment: 6.23 SWU (\$573 cost) -> delivers 1kg EUP (\$2,250 cumulative cost). (US\$, spot U₃O₈, tails assay of 0.30% U²³⁵)

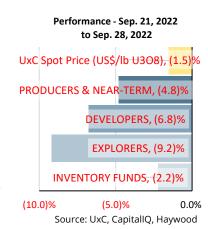
- **Uranium Equities News**
- Global Atomic Corporation (GLO-T, Not Rated): Commenced the EPCM phase for its Dasa Project
 – <u>link to Sept. 28th PR</u>
- Elevate Uranium Limited (EL8-AU, Not Rated): Extended its Koppies 2 mineralization by 10 km-link to Sept. 28th PR
- Skyharbour Resources Ltd. (SYH-V, Not Rated): Signed an option agreement with Yellow Rocks Energy Ltd for the Wallee and Usam Island Uranium Projects-<u>link to</u> <u>Sept. 28th PR</u>
- Denison Mines Corp. (DML-T, Rating: BUY, Target: \$2.90): Commissioned the lixiviant injection system for its Phoenix ISR Feasibility Field Test- link to Sept.26th PR Haywood Note
- Basin Uranium Corp. (NCLR-CSE, Not Rated): Received permits to conduct drilling on the Wray Mesa project

 <u>link to Sept. 27th PR</u>
- Thor Mining Plc. (THR-AU, Not Rated): Commenced drilling at the Wedding Bell Project-<u>link to Sept. 26th PR</u>

UxC U ₃ O ₈ Prices	(USD per pound)
SPOT (1-day Δ):	\$48.25 (-0.5%)
(1-week Δ):	(-1.5%)
(1-month Δ):	(-9.0%)
3-year (1-week Δ):	\$54.50 (unchanged)
5-year (1-week Δ):	\$58.25 (unchanged)
LT (@Sept. 26 th , 1-mth	Δ): \$49.00 (-2.0%)

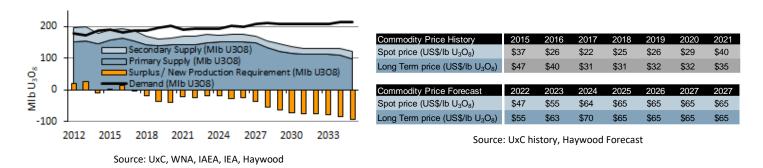
September 29, 2022

⁺ UxC Spot Price published daily, 3y, 5y pricing published weekly on Monday. UxC Long-Term price published last Monday of month.



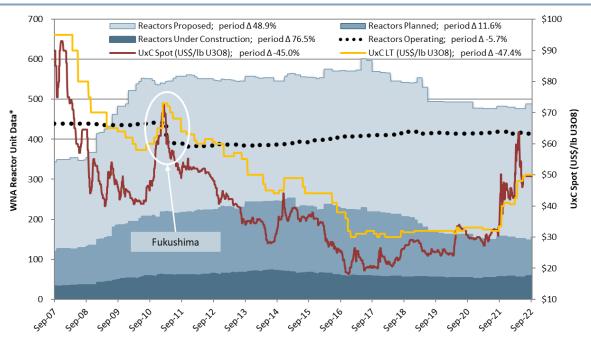
SPUT eU₃O₈ Holdings (Mlb)

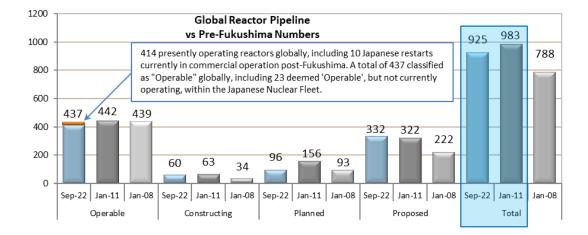
Uranium Sector – Haywood Supply / Demand Model & Uranium Price History & Forecast (annual average)



Global Civil Nuclear Reactor Pipeline Evolution







Source: WNA (September 2022 data), UxC, Haywood Securities



Uranium Sector Top Picks & Covered Names

NexGen (NXE-T, Rating: BUY, Target: \$7.50)

Our Take: NXE remains a top pick in the uranium space due to the disruptive potential of the Arrow deposit, with its massive scale and strong economics. Link to Most Recent Report

- Top Asset: We view the Arrow deposit as 'the best undeveloped uranium asset globally and highly strategic'. The February 2021 Feasibility Study outlined a >21 Mlb U₃O₈ per year, 10-year mine operation with an after-tax NPV_{8%} of \$3.47B at US\$50/lb uranium.
- Take-Out Candidate: We believe that it is critical for major producers to control this deposit because of its disruptive potential and that
 this is the strategic key to preserving the value of existing deposits and maintaining the ability to affect price with output decisions.
- Ultra Low-Cost: The Feb. 2021 Arrow Feasibility Study suggests cash operating costs of US\$5.69/lb implying an industry leading margin for a tier 1 scale operation.
- Catalysts: H2/2022 results of field programs, including updates on FEED work and results of field and exploration activities.
- Cash of \$164 million

Denison Mines (DML-T, Rating: BUY, Target: \$2.90)

Our Take: The core strength of Denison remains its ability to leverage its technical team and knowledge gained in studying ISR and its applicability to unconformity-hosted uranium deposits in the Basin. Denison's unique (to the Athabasca) plan to in-situ leach the Phoenix deposit is perceived as technically challenging, but with a very high potential reward, with a PFS-supported cost profile among the lowest in the world, due to the extremely high grades at Phoenix. Link to Most Recent Report

- De-risking Phoenix with freeze-wall trade-off study. Late 2020, Denison announced the results of a trade-off study examining the use of 'freeze walls' and sequential ISR mining phases to replace the 'freeze dome' outlined for the Phoenix deposit in the Wheeler River project Preliminary Feasibility Study (PFS). The proposed freeze wall approach is simpler and offers more control in each mining cell/phase and improves the risk profile on the mine plan.
- New approach should mean lower CAPEX hurdle. Mining of Phoenix via ISR was already a very attractive economic proposition, with initial CAPEX in the PFS at <\$325M and OPEX of US\$3.33/lb U₃O₈. The trade-off study is preliminary but lower initial CAPEX is supportable as the phased freeze wall approach is simpler and less costly to initial production.
- Catalysts: H1/2022 Further technical work to de-risk the ISR mining approach to Phoenix at Wheeler River in support of a future full Feasibility Study (estimated late 2022 delivery) for Wheeler River integrating the extensive technical advancements made since the 2018 PFS. 2022 - Exploration results - seeking satellite deposits at Wheeler River; and Studies for other potentially ISR amenable projects similar to THT/Waterbury.
- Cash of ~\$56 million, plus 2.5 Mlb U₃O₈ as long-term investment.

Other Covered Names

- Energy Fuels Inc. (EFR-T, UUUU-US) Rating: Buy; Target: US\$6.75 Target (last report)
- IsoEnergy. (ISO-V) Rating: Buy; Target: \$7.00 (last report)
- Uranium Energy Corp. (UEC-US) Rating: Buy; Target: US\$6.60 Target (last report)

Coverage Universe

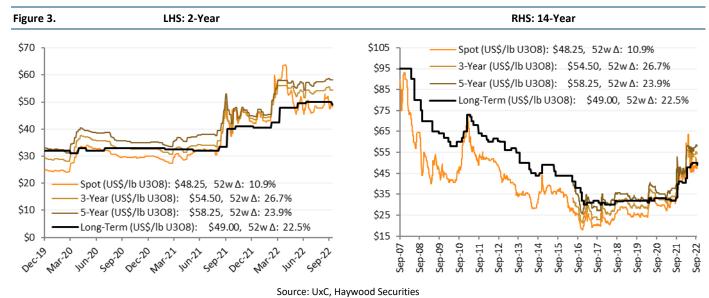
Figure 2. Uranium Sector Haywood Coverage

Compony	Ticker	Analyst	Last	Shares	МС	EV	Target	Return	Rating	NAVPS	CFPS	(US\$)
Company	Ticker	Analyst	Price (C\$) O/	O/S (M)	(C\$M)	(C\$M)	(C\$)	(%)	Rating	(US\$)	2022E	2023E
Denison Mines	DML-T	CH	\$1.62	818	\$1,325	\$1,258	\$2.90	79%	BUY	C\$2.85	(\$0.01)	(\$0.01)
Energy Fuels	UUUU-US	CH	US\$6.25	158	US\$985	US\$1,215	US\$6.75	8%	BUY	\$6.73	(\$0.02)	\$0.20
IsoEnergy Ltd.	ISO-V	CH	\$3.54	107	\$378	\$387	\$7.00	98%	BUY	C\$7.02	(\$0.07)	(\$0.07)
NexGen Energy	NXE-T	CH	\$5.45	480	\$2,613	\$2,540	\$7.50	38%	BUY	C\$7.50	(\$0.03)	(\$0.03)
Uranium Energy	UEC-US	CH	US\$3.70	335	US\$1,239	US\$1,216	US\$6.60	78%	BUY	\$6.55	(\$0.08)	(\$0.08)

Source: Haywood Securities



Uranium Price Charts



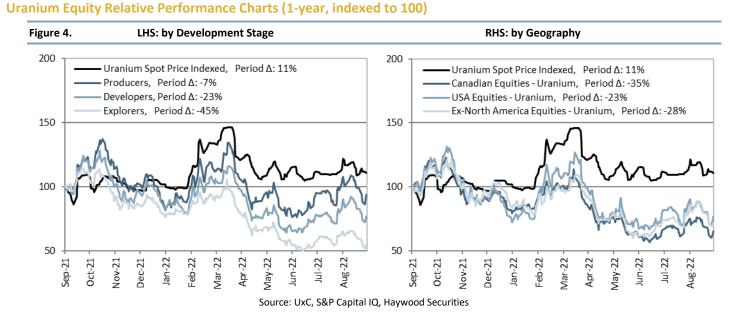




Figure 5. Uranium Sector Comps with 1-Week Performance Data

		Consensus	Targets	CH-	Marak		Comps - EV/Ib		NAV Co	mps	Cas	sh Flow Co	nps	Desterm
Company (Ticker)		IBES Consensus	Implied	Shares Outst.	Market Capitalization		Total Reserves & Resources	USD EV/lb	IBES Consensus	Price /		P/CFPS		Performance Sep. 21, 2022
Haywood Covered Names bold	Share Price	Target	Return	(millions)		(millions)	(M lb)	Resource	NAV	Nav	2022	2023	2024	to Sep. 28, 2022
Cameco Corporation (CCO-T)	\$37.19	\$44.08	19%	398	\$14,818	\$10,548	1078.5	\$9.78	\$28.76	1.29x	36.8x	19.7x	19.2x	(1.4)%
Kazatomprom (KAP-LSE)	\$28.42	\$38.35	35%	259	\$7,371	\$7,440	1339.5	\$5.55	\$34.34	0.83x	11.5x	7.5x	6.8x	(4.5)%
Paladin Energy (PDN-AU)	\$0.77	\$0.74	(5)%	2,978	\$2,299	\$1,276	381.7	\$3.34	\$1.24	0.62x		4825.0x		(10.5)%
Uranium Energy (UEC-US)	\$3.70	\$6.57	78%	335	\$1,239	\$1,216	306.7	\$3.97	\$5.98	0.62x				1.9%
Energy Fuels (UUUU-US)	\$6.25	\$9.70	55%	158	\$985	\$888	119.6	\$7.42	\$8.83	0.71x		21.2x	156.3x	0.0%
Boss Energy (BOE-AU) Energy Resources (ERA-AU)	\$2.50 \$0.21	\$3.26	30%	353 3,691	\$881.4 \$775.2	\$451.2 \$393.5	71.4 302.3	\$6.32 \$1.30	\$3.20	0.78x			27.5x	(6.4)% (13.0)%
Ur-Energy Inc. (URE-T)	\$0.21	\$4.08	148%	223	\$365.4	\$237.8	41.3	\$1.30	\$4.08	0.40x		20.5x		(13.0)%
Lotus Resources (LOT-AU)	\$0.23	\$0.31	38%	1,326	\$298.3	\$180.3	44.2	\$4.08	\$0.32	0.70x		20.5X		(6.8)%
Peninsula Energy (PEN-AU)	\$0.17	\$0.35	115%	999	\$164.8	\$91.1	53.7	\$1.70	\$0.40	0.41x	116.2x			(8.2)%
Group Average - Producers								\$4.92		0.71x	54.8x	978.8x	52.4x	(4.8)%
NexGen Energy (NXE-T)	\$5.45	\$9.47	74%	480	\$2,613	\$1,856	337.8	\$5.49	\$8.57	0.64x				(1.7)%
Denison Mines (DML-T)	\$1.62	\$2.15	33%	818	\$1,325	\$919	207.5	\$4.43	\$2.53	0.64x				(2.7)%
Global Atomic (GLO-T)	\$3.61	\$6.50	80%	178	\$642.4	\$458.8	161.1	\$2.85	\$6.47	0.56x				(6.0)%
Deep Yellow (DYL-AU)	\$0.84			732	\$614.5	\$335.1	392.2	\$0.85						(13.5)%
Fission Uranium (FCU-T)	\$0.73	\$1.28	75%	682	\$497.5	\$336.8	130.3	\$2.59	\$1.43	0.51x				0.7%
American Lithium (LI-V)	\$2.08 \$3.54	\$9.42 \$6.50	353% 84%	208 107	\$432.9 \$378.2	\$304.6 \$282.7	123.4 51.3	\$2.47 \$5.51	\$11.00 \$6.60	0.19x 0.54x				0.3%
soEnergy Ltd. (ISO-V) enCore Energy (EU-V)	\$3.54 \$3.47	\$6.50 \$7.60	84% 119%	107	\$378.2 \$373.4	\$282.7 \$250.2	129.6	\$5.51 \$1.93	\$6.60	0.54x 0.46x				(4.0)%
Bannerman Energy (BMN-AU)	\$1.95	\$2.96	52%	150	\$291.0	\$230.2	238.8	\$0.59	φr.00	0.101				(8.5)%
GoviEx Uranium (GXU-V)	\$0.26	\$0.70	176%	593	\$151.1	\$113.8	201.7	\$0.56	\$0.89	0.29x				(0.1)%
Forsys Metals (FSY-T)	\$0.60			195	\$117.1	\$72.5	127.0	\$0.57						(8.2)%
Laramide Resources (LAM-T)	\$0.49	\$0.80	63%	208	\$102.0	\$72.0	122.7	\$0.59						(5.9)%
A-Cap Energy (ACB-AU)	\$0.08			1,232	\$97.4	\$54.1	190.6	\$0.28						(8.4)%
Berkeley Energia (BKY-AU)	\$0.29			446	\$127.1	\$29.1	89.4	\$0.33						(9.0)%
Western Uranium (WUC-L)	\$1.77			44	\$77.2	\$45.8	52.4	\$0.87						2.0%
Toro Energy (TOE-AU)	\$0.02	¢0.05	2470/	3,897	\$66.3	\$38.0	90.9	\$0.42	¢0.40	0.44.				(12.9)%
Anfield Energy (AEC-V) Energy Metals (EME-AU)	\$0.06 \$0.15	\$0.25	317%	624 210	\$37.4 \$31.5	\$21.4 \$10.9	22.5 57.6	\$0.95 \$0.19	\$0.42	0.14x				(21.7)% (11.5)%
Group Average - Developers	φ0.15			210	ψ 0 1.5	ψ10.5	51.0	\$1.75		0.44x				(6.8)%
Alligator Energy (AGE-AU)	\$0.05			3,303	\$175.0	\$92.5								(19.4)%
Consolidated Uranium (CUR-V)	\$1.91	\$4.15	117%	77	\$146.7	\$88.8	89.6	\$0.99						(6.0)%
Elevate Uranium (EL8-AU)	\$0.46			275	\$126.7	\$66.7	137.5	\$0.48						(12.2)%
DevEx Resources (DEV-AU)	\$0.32			360	\$113.3	\$68.6								(13.6)%
Mega Uranium (MGA-T)	\$0.23			359	\$82.5	\$49.5								0.1%
Skyharbour Resources (SYH-V)	\$0.46	\$0.98	112%	144	\$66.2	\$45.3	7.0	\$6.51	\$1.01	0.46x				2.4%
Baselode Energy (FIND-V)	\$0.69	04.05	0400/	86	\$59.6	\$35.7	40.5	* 0.00						(7.4)%
ValOre Metals (VO-V) Appia Rare (API-L)	\$0.34 \$0.51	\$1.05	213%	154 123	\$51.5 \$62.8	\$35.5 \$40.2	43.5 55.8	\$0.82 \$0.72						0.9%
Azimut Exploration (AZM-V)	\$0.58	\$2.65	357%	79	\$46.0	\$19.0	55.0	ψ0.72	\$2.66	0.22				(13.9)%
92 Energy (92E-AU)	\$0.51	φ2.00	001 /0	88	\$44.8	\$21.7			φ2.00	0.22				(13.6)%
Aurania Resources (ARU-V)	\$0.50			54	\$26.7	\$23.6								(4.9)%
CanAlaska Uranium (CW-V)	\$0.50			102	\$51.0	\$28.4								(2.1)%
Blue Sky (BSK-V)	\$0.15			200	\$29.0	\$19.3	22.7	\$0.85						(2.1)%
Okapi Resources (OKR-AU)	\$0.24			136	\$31.9	\$18.1								(18.3)%
Purepoint Uranium (PTU-V)	\$0.07			369	\$25.8	\$15.7								(14.3)%
Globex Mining (GMX-T)	\$0.71			56	\$39.5 \$27.1	\$14.5 \$12.1								(9.7)%
GTIEnergy (GTR-AU) Forum Energy (FMC-V)	\$0.02 \$0.12			1,505 171	\$27.1 \$20.5	\$12.1 \$12.5	0.6	\$21.10						(12.4)% (9.6)%
Standard Uranium (STND-V)	\$0.12			148	\$20.5	\$12.5	0.0	Ψ21.10						(19.9)%
Fission 3.0 (FUU-V)	\$0.10			302	\$30.2	\$9.0								(2.1)%
Azincourt Energy (AAZ-V)	\$0.06			227	\$12.5	\$1.4								(17.1)%
ALX Resources (AL-V)	\$0.04			208	\$8.3	\$4.4								(2.1)%
Cauldron Energy (CXU-AU)	\$0.01			535	\$7.0	\$3.7	30.9	\$0.12						(15.6)%
Tarku Resources (TKU-V)	\$0.05			86	\$4.3	\$3.2								(30.0)%
Northern Uranium (UNO'H-V)	\$0.02			162	\$3.2	\$2.4								(2.1)%
X-Terra Resources (XTT-V) Avrupa Minerals (AVU-V)	\$0.03 \$0.03			99 55	\$2.5 \$1.4	\$1.6 \$0.7								22.4%
International Prospect (IZZ-V)	\$0.03 \$0.05			40	\$1.4 \$2.0	\$0.7 \$1.4	0.6	\$2.25						(51.0)% 8.8%
Vanadian Energy (VEC-V)	\$0.03			40	\$1.3	\$1.4	0.0	ψ2.20						(16.1)%
Uravan Minerals (UVN-V)	\$0.16			5	\$0.8	\$0.3								(2.1)%
Eros Resources (ERC-V)	\$0.06			98	\$5.4	(\$4.8)								(17.1)%
Group Average - Explorers								\$3.76						(9.2)%
INVENTORY FUNDS				_										
Sprott Physical (U.UN-T)	\$16.12	\$23.50	46%	234	\$2,761	\$2,828	58.6	\$48.29						1.3%
	£3.98	£5.30	33%	183	£729.1	\$658.8	19.8	\$33.22	L					(5.7)%
Yellow Cake (YCA-LN)														(7 3)0/
ROYALTY COMPANIES														(2.2)%



Figure 6. Uranium Equities β eta to Uranium price, plus $\beta_{equity/uranium}/\sigma_{equity}$

Ticker	Company	β uranium (Last 1-year, Weekly Simple Returns)	$\beta_{uranium}/\sigma_{equity}$	Absolute Return (%)	Rank Beta	Rank $\boldsymbol{\beta}_{uranium} / \boldsymbol{\sigma}_{enuity}$	Rank Absolute Return
ASX:BMN	Bannerman Energy Ltd	1.73	11.777	(29%)	39	21	1
TSXV:FIND	Baselode Energy Corp.	1.48	10.687	15%	52	28	19
ASX:EL8	Elevate Uranium Ltd	1.47	11.000	(19%)	32	14	10
ASX:PEN	Peninsula Energy Limited	1.45	13.092	(32%)	5	23	4
US:UEC	Uranium Energy Corp.	1.45	9.357	21%	21	27	8
TSXV:AEC	Anfield Energy Inc.	1.45	10.732	(54%)	28	6	2
ASX:TOE	Toro Energy Limited	1.40	10.574	(48%)	51	37	45
TSX:FSY	Forsys Metals Corp.	1.38	9.707	(35%)	18	13	27
ASX:AGE	Alligator Energy Limited	1.30	9.531	(26%)	19	12	13
ASX:DYL	Deep Yellow Limited	1.30	10.609	(18%)	4	1	33
TSXV:URC	Uranium Royalty Corp.	1.29	10.478	(38%)	31	20	12
TSXV:UNO.H	Northern Uranium Corp.	1.28	8.455	(50%)	30	25	14
CNSX:WUC	Western Uranium & Vanadium	1.27	9.378	(36%)	29	16 9	7 21
TSXV:FMC TSX:FCU	Forum Energy Metals Corp. Fission Uranium Corp.	1.23 1.15	8.419 9.499	(73%) (11%)	10 15	18	16
TSXV:GXU	GoviEx Uranium Inc.	1.15	8.242	(37%)	55	57	18
ASX:OKR		1.14	8.949	(49%)	33	43	18
TSX:URE	Okapi Resources Limited Ur-Energy Inc.	1.14	10.076	(24%)	26	43	37
ASX:LOT	Lotus Resources Limited	1.12	10.106	(8%)	1	3	30
TSXV:SYH	Skyharbour Resources Ltd.	1.12	8.426	(34%)	16	33	38
TSX:EFR	Energy Fuels Inc.	1.11	8.906	4%	8	15	35
TSXV:AAZ	Azincourt Energy Corp.	1.10	9.156	(73%)	61	60	31
ASX:92E	92 Energy Limited	1.09	8.602	(30%)	34	47	11
TSXV:FUU	Fission 3.0 Corp.	1.08	8.206	(41%)	37	44	15
TSX:MGA	Mega Uranium Ltd.	1.06	8.174	(21%)	13	22	36
TSXV:EU	enCore Energy Corp.	1.06	9.497	(36%)	7	10	47
ASX:GTR	GTI Energy Ltd	1.05	7.859	(38%)	6	7	51
ASX:BOE	Boss Energy Limited	1.04	10.925	25%	44	40	52
TSX:GLO	Global Atomic Corporation	1.04	9.662	15%	9	17	29
TSX:DML	Denison Mines Corp.	0.97	8.986	(8%)	42	41	25
TSX:NXE	NexGen Energy Ltd.	0.97	9.492	(8%)	3	5	22
ASX:PDN	Paladin Energy Ltd	0.96	9.963	(1%)	46	50	9
TSXV:ISO	IsoEnergy Ltd.	0.92	6.684	(13%)	25	35	23
ASX:ACB	A-Cap Energy Limited	0.91	5.404	(5%)	20	31	34
TSXV:PTU	Purepoint Uranium Group Inc.	0.88	7.711	(44%)	2	8	6
TSXV:CVV	CanAlaska Uranium Ltd.	0.85	5.504	(23%)	53	45	20
ASX:BKY	Berkeley Energia Limited	0.83	6.665	(11%)	49	51	24
AIM:YCA	Yellow Cake plc	0.83	12.313	21%	60	54	57
TSX:CCO	Cameco Corporation	0.80	9.388	40%	23	29	32
TSXV:BSK	Blue Sky Uranium Corp.	0.75	6.838	(47%)	63	63	63
TSX:U.U	Sprott Physical Uranium Trust F	0.71	11.552	15%	36	46	26
TSXV:CUR	Consolidated Uranium Inc.	0.68	7.058	(23%)	40	42	46
TSX:GMX	Globex Mining Enterprises Inc.	0.67	8.145	(25%)	17	26	48
ASX:EME	Energy Metals Limited	0.66	7.202	(58%)	35	39	44
TSXV:AVU	Avrupa Minerals Ltd.	0.65	4.302	(67%)	43	36	28
ASX:DEV	DevEx Resources Limited	0.64	4.428	0%	27	38	40
TSXV:XTT	X-Terra Resources Inc.	0.61	3.696	(62%)	14	32	62
TSXV:STND	Standard Uranium Ltd.	0.60	4.913	(72%)	48	49	60
CNSX:API	Appia Rare Earths & Uranium Co		4.397	(22%)	24	34	43
TSXV:VEC	Vanadian Energy Corp.	0.58	2.949	(71%)	22	24	61
ASX:ERA	Energy Resources of Australia Li		7.977	(47%)	54	48	54
KAS:KZAP	JSC National Atomic Company K		8.672	(14%)	59	61	53
TSXV:VO	ValOre Metals Corp.	0.53	5.584	(15%)	62	62	39
TSXV:AL	ALX Resources Corp.	0.47	5.007	(60%)	12	30	49
TSXV:LI	American Lithium Corp.	0.43	3.267	(14%)	47	55	55
TSXV:ERC	Eros Resources Corp.	0.38	4.036	(39%)	45	52	56
TSXV:UVN	Uravan Minerals Inc.	0.37	3.495	(51%)	58	59	58
TSXV:IZZ	International Prospect Venture:		2.815	(69%)	50	58	59
ASX:CXU	Cauldron Energy Limited	0.27	1.839	(59%)	57	56 E2	50
TSXV:AZM	Azimut Exploration Inc.	0.26	3.719	(68%)	56	53	42
ASX:LAM	Laramide Resources Ltd.	0.21	2.369 0.280	(29%) (38%)	41 38	4	5 3
TSXV:TKU	Tarku Resources Ltd.	0.06					

Source: UxC, CapitalIQ, Bloomberg, Haywood



Figure 7. Uranium Comps Performance with Short Interest / Days to Cover

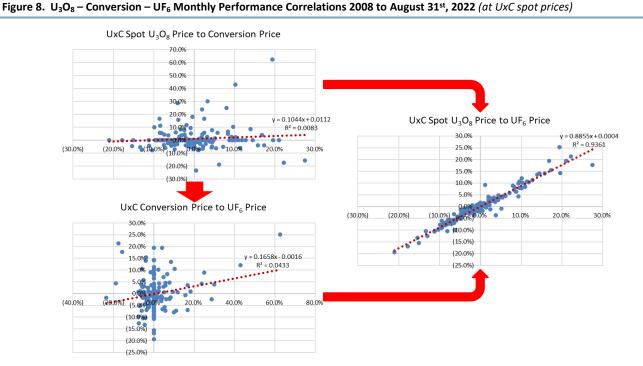
Index	Ticker	Short Interest / Days to Cover	1-Day ∆ (%)	5-Day ∆ (%)	10-Day ∆ (%)	30-Day ∆ (%)	90-Day ∆ (%)	YTD Δ (%)	12-Mth Δ (%)	2-year (%)
S&P/TSX COMPOSITE INDEX	.ттт-т		1.9%	0.9%	(3.8)%	(6.0)%	(1.1)%	(12.1)%	(7.6)%	14.8%
S&P/TSX VENTURE COMPOSITE	.JX-T		2.4%	1.6%	(6.7)%	(8.7)%	(4.8)%	(37.4)%	(32.3)%	(17.1)
S&P/TSX 60 INDEX	T.XLX-T		1.7%	0.7%	(3.6)%	(5.7)%	(1.4)%	(12.1)%	(6.5)%	15.8%
CAMECO CORPORATION	CCO-T	5.5% / 2.2	2.5%	8.2%	0.2%	(1.9)%	37.4%	34.8%	39.8%	174.9%
KAZATOMPROM S	KAP-LN		1.6%	4.6%	(11.2)%		9.6%	(22.7)%	(18.8)%	97.4%
PALADIN ENERGY L	PDN-AU	5.9% / 6.1	(2.0)%	(7.0)%	(14.5)%	(4.5)%	26.7%	(16.5)%	(5.2)%	502.5%
	UEC-US	14.3% / 4.1	7.9%	12.8%	(4.6)%	(17.2)%	20.1%	10.4%	20.9%	266.3%
ENERGY FUELS INC BOSS EN FPO	UUUU-US BOE-AU	18.4% / 6.2 2.6% / 2.9	8.9%	11.8% 1.2%	(4.0)%	(19.5)%	27.3% 40.7%	<mark>(18.1)%</mark> 10.7%	(2.6)% 24.5%	263.49 332.39
ENERGY RESOURCES	ERA-AU	0.0% / 0.1	2.0% (4.8)%	(11.1)%	(6.0)% (16.7)%	4.6% (20.0)%	5.3%	(41.2)%	(46.7)%	33.3%
JR ENERGY INC	URE-T	4.3% / 3.7	4.5%	8.6%	(1.2)%	(7.3)%	21.5%	6.5%	(23.7)%	144.89
LOTUS RESOURCES	LOT-AU	1.0% / 0.8	0.0%	(4.3)%	(6.4)%	(10.2)%	2.3%	(29.0)%	(10.2)%	168.39
PENINSULA ENERGY	PEN-AU	1.2% / 1.7	0.0%	(3.1)%	(13.9)%	(8.8)%	0.0%	(22.5)%	(34.0)%	134.89
NEXGEN ENERGY LTD	NXE-T	6.1% / 4.1	7.1%	13.8%	(2.3)%	(5.5)%	18.0%	(1.6)%	(7.6)%	130.09
DENISON MINES CORPORATION	DML-T	6.1% / 3.7	4.5%	11.7%	(3.0)%	(8.0)%	27.6%	(6.9)%	(8.5)%	184.29
GLOBAL ATOMIC CORPORATION	GLO-T	1.1% / 2.3	5.2%	5.6%	(2.7)%	(9.8)%	28.0%	(13.8)%	15.0%	455.49
DEEP YELLOW	DYL-AU	0.6% / 0.9	(1.9)%	(14.1)%	(25.8)%	(14.1)%	32.8%	(8.1)%	(22.2)%	135.89
ISSION URANIUM CORP	FCU-T	1.2% / 2.0	9.0%	7.4%	(3.9)%	(8.8)%	19.7%	(6.4)%	(11.0)%	108.69
MERICAN LITHIUM CORP	LI-V	0.8% / 1.8	2.5%	15.6%	(3.3)%	(18.1)%	12.4%	(51.2)%	(13.7)%	70.5%
SOENERGY LTD	ISO-V	1.5% / 2.5	3.5%	5.7%	(11.5)%	(16.1)%	14.2%	(5.3)%	(12.8)%	224.8
NCORE ENERGY CORP	EU-V	0.5% / 0.9	1.5%	2.4%	(14.3)%	(21.8)%	7.1%	(27.7)%	(36.4)%	204.4
	BMN-AU	0.7% / 1.1	3.0%	(1.3)%	(11.6)%	(2.6)%	11.8% 8.5%	(29.6)%	(30.9)%	363.4 82.19
OVIEX URANIUM INC ORSYS METALS CORP	GXU-V FSY-T	0.5% / 1.4	6.3% 1.7%	8.5% 7.1%	(8.9)% (7.7)%	(16.4)% (20.0)%	8.5% 7.1%	(28.2)% (29.4)%	(37.0)% (35.5)%	252.9
ARAMIDE RESOURCES LTD	LAM-T	1.8% / 4.6	5.4%	4.3%	(12.5)%	(10.9)%	(3.9)%	(31.0)%	(33.3)%	84.99
-CAP ENERGY	ACB-AU	0.1% / 0.2	(5.3)%	(5.3)%	(23.7)%	(6.6)%	12.7%	(51.0)%	(10.1)%	273.7
ERKELEY ENERGIA	BKY-AU	0.0% / 0.0	1.8%	(3.4)%	(3.4)%	(8.1)%	(19.7)%	23.9%	(10.9)%	(56.8
ESTERN URANIUM & VANADIUM CORP	WUC-L	0.1% / 0.3	5.4%	28.3%	6.6%	(4.8)%	43.9%	(5.3)%	(36.1)%	129.9
ORO ENERGY	TOE-AU	0.1% / 0.1		(0.0)%	(5.6)%	6.2%	41.7%	(22.7)%	(48.5)%	30.89
NFIELD ENERGY INC	AEC-V	0.2% / 0.3	0.0%	(7.7)%	(7.7)%	(25.0)%	(25.0)%	(36.8)%	(53.8)%	
NERGY MET FPO	EME-AU		0.0%	(6.3)%	(11.8)%	(16.7)%	30.4%	(44.4)%	(57.7)%	
ALLIGATOR ENERGY	AGE-AU	2.3% / 2.1	3.8%	(11.3)%	(20.3)%	(3.5)%	12.2%	0.0%	(23.6)%	1,000.0
CONSOLIDATED URANIUM INC	CUR-V	0.4% / 1.2	6.1%	4.4%	(9.5)%	(18.7)%	6.7%	(33.4)%	(23.0)%	
LEVATE URANIUM	EL8-AU	1.8% / 3.8	(4.4)%	(12.2)%	(15.7)%	(4.4)%	17.8%	(7.5)%	(23.2)%	424.4
EVEX RESOURCES	DEV-AU	0.1% / 0.9	(1.6)%	(4.5)%	(12.5)%	(14.9)%	43.2%	(35.7)%	0.0%	5.0%
/EGA URANIUM LTD	MGA-T	0.5% / 1.5	9.5%	12.2%	(4.2)%	(13.2)%	17.9%	(9.8)%	(20.7)%	64.39
KYHARBOUR RESOURCES LTD	SYH-V	0.1% / 0.2	8.2%	21.1%	2.2%	(4.2)%	43.8%	(5.2)%	(34.3)%	155.6
ASELODE ENERGY CORP ALORE METALS CORP	FIND-V VO-V	0.1% / 0.1 0.2% / 1.1	0.0% 11.7%	(4.2)% 8.1%	(9.2)%	(18.8)%	(11.5)% 6.3%	(14.8)%	15.0%	38.09
ALORE METALS CORP	API-L	0.2% / 1.1	14.6%	21.4%	(6.9)% 34.2%	(16.3)% 14.6%	50.0%	(39.1)% (12.1)%	(15.2)% (21.5)%	32.5
ZIMUT EXPLORATION INC	AZM-V	0.1% / 1.0	(1.7)%	(7.9)%	(14.7)%	(32.6)%	(40.8)%	(64.8)%	(68.3)%	(47.3
2 ENERGY	92E-AU	8.1% / 6.2	(1.0)%	(7.2)%	(14.9)%	5.1%	14.4%	(24.3)%	(29.5)%	(47.5
URANIA RESOURCES LTD	ARU-V	0.1% / 0.7	0.0%	(9.1)%	(3.8)%	(16.7)%	(39.8)%	(57.3)%	(79.0)%	(90.9
ANALASKA URANIUM LTD	CVV-V	0.1% / 0.3	4.2%	16.3%	(2.0)%	(9.1)%	75.4%	13.6%	(23.1)%	117.4
LUE SKY URANIUM CORP	BSK-V	2.1% / 9.1	0.0%	3.6%	(6.5)%	(23.7)%	3.6%	(25.6)%	(47.3)%	16.0
OKAPI RESOURCES	OKR-AU	0.0% / 0.0	0.0%	(13.0)%	(19.0)%	9.3%	27.0%	(31.9)%	(52.0)%	30.65
UREPOINT URANIUM GRP INC	PTU-V	0.1% / 0.3	7.7%	7.7%	(6.7)%	(22.2)%	7.7%	(17.6)%	(44.0)%	55.65
SLOBEX MINING ENTERPRISES INC	GMX-T	0.2% / 0.7	1.4%	(2.7)%	(12.3)%	(16.5)%	(30.4)%	(35.5)%	(25.3)%	(6.6)
	GTR-AU	0.0% / 0.0	(0.0)%	(5.6)%	(19.0)%	6.2%	41.7%	(29.2)%	(41.4)%	(15.0
ORUM ENERGY METALS CORP	FMC-V STND-V	0.1% / 0.2 3.6% / 8.5	0.0%	0.0%	(17.2)%	(31.4)%	20.0% 12.5%	(29.4)%	(73.0)%	0.0%
ISSION 3.0 CORP	FUU-V	3.6% / 8.5 0.1% / 0.2	0.0%	0.0% 17.6%	(21.7)% (4.8)%	(33.3)% (13.0)%	33.3%	(58.1)% (54.5)%	(72.3)% (41.2)%	(64.0 42.9
ZINCOURT ENERGY CORP	AAZ-V	0.1% / 0.2	10.0%	(5.2)%	(4.8)%	(13.0)%	0.0%	(68.6)%	(72.5)%	(12.7
LX RESOURCES CORP	AL-V	0.5% / 2.3	14.3%	0.0%	0.0%	14.3%	14.3%	(55.6)%	(60.0)%	(42.9
AULDRON ENERGY	CXU-AU	0.0% / 0.0	(7.7)%	0.0%	(7.7)%	20.0%	71.4%	(58.6)%	(62.5)%	(71.4
ARKU RESOURCES LTD	TKU-V	0.1% / 1.9	0.0%			(16.7)%		(37.5)%	(37.5)%	(47.4
ORTHERN URANIUM CORP	UNO'H-V	0.1% / 3.1	0.0%	33.3%		0.0%		(42.9)%	(50.0)%	
-TERRA RESOURCES INC	XTT-V	0.1% / 0.1	0.0%	0.0%	0.0%			(16.7)%	(61.5)%	(82.1
VRUPA MINERALS LTD	AVU-V	0.0% / 0.4	(16.7)%		(50.0)%		(16.7)%			(79.2
NTERNATIONAL PROSPECT VENTURES LTD	IZZ-V	0.0% / 0.5		0.0%				(68.8)%	(68.8)%	(58.3)
ANADIAN ENERGY CORP	VEC-V	0.0% / 0.0		0.0%	(14.3)%	0.0%		(40.0)%	(71.4)%	1
JRAVAN MINERALS INC	UVN-V	0.10%							(50.8)%	(36.0)
ROS RESOURCES CORP ENTORY FUNDS	ERC-V	0.0% / 0.0								(38.9)
ENTORY FUNDS SPROTT PHYSICAL URANIUM TRUST	U.UN-T	1.5% / 1.9	2.2%	10.5%	1.7%	0.8%	16.2%	15.7%	15.3%	
ELLOW CAKE PLC	YCA-LN	0.1% / 0.2	(2.3)%	2.9%	(4.2)%	0.0%	19.3%	15.7%	15.3%	97.89
ALTY COMPANIES		0.1/0/ 0.2	(2.3)/0	2.370	(7.2)/0		10.0/0	14.070	10.070	57.8/

Source: UxC, CapitalIQ, Bloomberg, Haywood

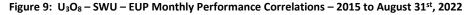


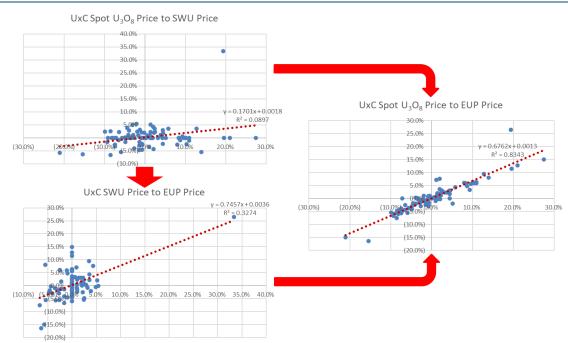
Uranium Fuel Cycle Price Relationships

The charts below show that the price of uranium products (U_3O_8 , UF_6 and EUP) are tightly correlated (monthly % Δ) in the long term (RHS Figures 8 & 9). On the lower left chart of each Figure, we see that the cost of fuel services exhibit a much lower correlation with the monthly % change in uranium product (Conversion to UF_6 [$R^2=0.04$] or SWU to EUP [$R^2=0.33$]), owing to the fact that the uranium embedded in the product dominates value. Historically, conversion costs have made up an average of 10.5% of the cost of UF_6 (currently 23.2%), and SWU costs have made up an average of 26% of the price of EUP (currently 25.5%) (or, conversely, UF_6 historically makes ups up 74% of the cost of EUP).



Source: Haywood Securities Inc., UxC





Source: Haywood Securities Inc., UxC



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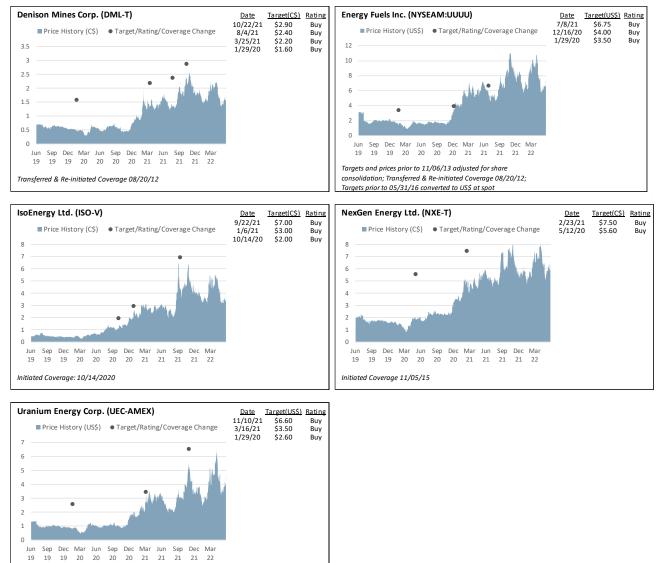
	Ticker	Company	1	2	3	4	5	6	7	8	9
TSX:	DML	Denison Mines Corp. X X X									
TSX:	EFR	Energy Fuels Inc.			Х						
TSX\	/:ISO	IsoEnergy Itd.			Х						
TSX:	NXE	NexGen Energy Ltd.			Х						
บระเ	JEC	Uranium Energy Corp.			Х						
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Distribution of Ratings (as of September 29, 2022)

			IB Clients
	%	#	(TTM)
Buy	74.7%	74	70.0%
Hold	11.1%	11	15.0%
Sell	0.0%	0	0.0%
Tender	1.0%	1	5.0%
UR (Buy)	0.0%	0	0.0%
UR (Hold)	0.0%	0	0.0%
UR (Sell)	0.0%	0	0.0%
Dropped (TTM)	13.1%	13	10.0%



Price Chart, Rating and Target Price History (as of September 29, 2022)



B: Buy; H: Hold; S: Sell; T: Tender; UR: Under Review Source: Capital IQ and Haywood Securities

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