

URANIUM WEEKLY

Uranium Gains ~6% on Five Consecutive Upticks as SPUT Returns to Spot Market after >50 Days

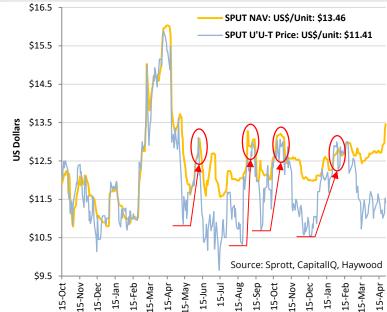
SPUT DISCOUNT RIPE FOR CORRECTION

Uranium Price Update & Sector Commentary: Close of April 26th, 2023

After weeks of an uninspired uranium spot price tape, the past week was highlighted by reinvigorated interest, with five consecutive upticks in spot price delivering an ~5.8% gain to nearly US\$54/lb U_3O_8 as of last night, capping the best rolling weekly performance for uranium spot price in nearly 8-months (since Sept. 2, 2022). The positive price action coincides with the Sprott Physical Uranium Trust's first inventory purchase since March 3rd, adding 100klb U₃O₈ on Tuesday, reminding us of the tightness of the spot market in the **SPUT era.** At the same time, SPUT continued to post a double-digit market discount to NAV (currently -15.2%) amid a mild spike in border market volatility (VIX +16%) over the past week. The chart on the right shows the SPUT daily NAV and market price for the Trust units, highlighting the episodic closure of outlier NAV discounts in the recent past. At the current discount, and with uranium ticking positively, we see an opportunity in SPUT units with an expectation that the units will revert to something closer to their mean NAV discount of ~4%. Per the chart, most often the discount has been rectified by positive correction in the unit price catalysed by a positive uranium price move rather than NAV consolidation. Positive price moves were not restricted to the spot market, as the UxC published its month-end price indicators Monday showing upticks in both the 3-year (+US\$1.00 to US\$58/lb U₃O₈) and 5-year (+US\$1.00 to US\$62/lb U_3O_8) price indicators, and a 2.8% increase in UF₆ spot price (expected - the U_3O_8 input, which is currently ~78% of UF₆'s value, increased 3.5% since the last monthly indicator was posted). With the gains in U₃O₈ this week and the slight uptick MoM in spot conversion (+0.6%), UF₆ should be priced around $\frac{181}{kg}$ (+5.7% MoM).

Uranium Equities - News

- Purepoint Uranium Group Inc. (PTU-V, Not Rated): Provided an update on its Winter Exploration Program at Red Willow Project –<u>link to Apr. 26th</u>
- Alligator Energy Limited (AGE-AU, Not Rated): Announced retention lease application for ISR trial at Samphire Uranium Project –<u>link to Apr. 26th</u>
- Traction Uranium Corp. (TRAC-CSE, Not Rated): Announced update on uranium bearing boreholes from Winter Program – <u>link to Apr. 26th</u>



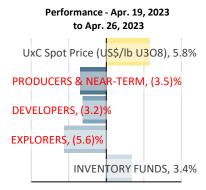
Uranium required and cost to make 1kg of EUP ($4.5\% U^{235}$): Mine/plant output of 26.7 lb U₃O₈ (\$1,440 cost) -> Conversion to UF₆ (\$406 cost) -> delivers 10.22 kgU as UF₆ (\$1,847 cumulative cost) -> enrichment: 6.23 SWU (\$810 cost) -> delivers 1kg EUP (\$2,657 cumulative cost). (US\$, spot U₃O₈, tails assay of 0.30% U²³⁵)

- Kraken Energy Corp. (UUSA-CSE, Not Rated): Completed VTEM airborne geophysical survey at Apex Property – link to Apr. 26th
- Laramide Resources Ltd. (LAM-T, Not Rated): Announced drill results from Westmoreland Uranium Project – <u>link to Apr. 24th</u>
- IsoEnergy Ltd. (ISO-V, Rating: BUY, Target: \$7.00): Announced an update on Larocque East, Hawk and Geiger Projects – <u>link to Apr. 21th</u> - <u>Haywood Note</u>

UxC U ₃ O ₈ Prices	(USD per pound)
SPOT (1-day ∆):	\$53.95 (+ <mark>0.8</mark>)
(1-week ∆):	(+5.8%)
(1-month Δ):	(+6.3%)
3-year (1 -mth Δ):	\$58.00 (+1.8%)
5-year (1-mth Δ):	\$62.00 (+1.6%)
LT (@Apr. 24 th , 1-mth Δ):	\$53.00 (unch.)

April 27, 2023

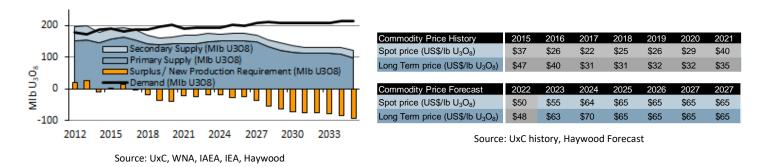
⁺ UxC Spot Price published daily. 3y, 5y and UxC Long-Term price published last Monday of month.



^{(10.0)% (5.0)% 0.0% 5.0% 10.0%} Source: UxC, CapitallQ, Haywood

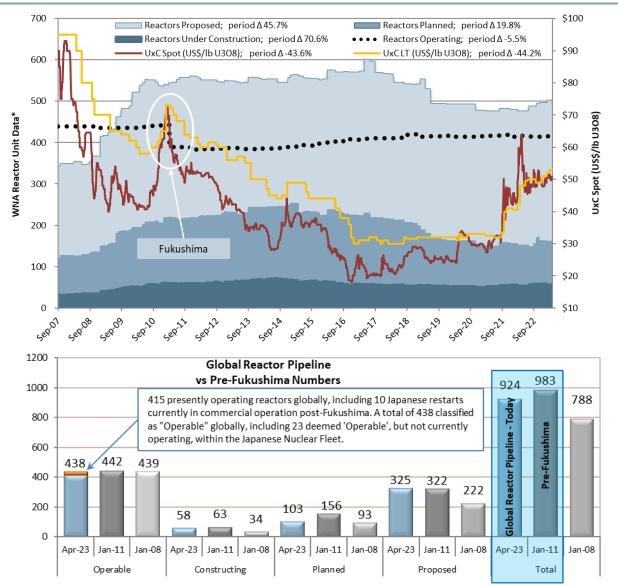


Uranium Sector – Haywood Supply / Demand Model & Uranium Price History & Forecast (annual average)



Global Civil Nuclear Reactor Pipeline Evolution







Uranium Sector Top Picks & Covered Names

NexGen (NXE-T, Rating: BUY, Target: \$11.00)

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. <u>Link to Most Recent Report</u>

- 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: H1/2023: Updates on the review process for the Environmental Impact Statement and Licensing application. 2023: Results of field programs, including updates on FEED work and results of field and exploration activities.
- Cash of \$137 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 PFS, freeze-wall trade-off study and FFT. Denison already demonstrated the ultra-low-cost potential of ISR application to Phoenix in its 2018 Preliminary Feasibility Study (PFS), with initial CAPEX in the PFS at <\$325M and OPEX of US\$3.33/lb U₃O₈. In late 2020, Denison then 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 PFS. The trade-off study is preliminary but lower initial CAPEX is supportable as the phased freeze wall approach is much simpler and less costly to initial production due to the smaller footprint and cheaper installation techniques. The proposed freeze wall approach also offers more control in each mining cell/phase and improves the risk profile on the mine plan. Over the past year, DML has made even further progress on de-risking Phoenix through its Feasibility Field Test (FFT), where technical work to date has further supported our thesis that DML will be successful in mining Phoenix by the ISR technique resulting in an extremely low production cost profile and is therefore a 'must own' for uranium sector investors.
- Catalysts: H1/2023 Further technical work to de-risk the ISR mining approach to Phoenix at Wheeler River including advancement of the FS / EA process and results of the "recovered solution management" phase of the Feasibility Field Test. 2023 Full Feasibility Study for Wheeler River integrating the extensive technical advancements made since the 2018 PFS. 2023 Exploration results seeking satellite deposits at Wheeler River; and, Studies for other potentially ISR amenable projects similar to THT/Waterbury.
- Cash of ~\$55 million, plus 2.5 Mlb U₃O₈ as long-term investment.

Other Covered Names

- enCore Energy Corp. (EU-US) Rating: Buy; Target: US\$5.00 Target (last report)
- Energy Fuels Inc. (EFR-T, UUUU-US) Rating: Buy; Target: US\$9.25 Target (last report)
- IsoEnergy. (ISO-V) Rating: Buy; Target: \$7.00 Target (last report)
- Uranium Energy Corp. (UEC-US) Rating: Buy; Target: US\$6.60 Target (last report)

Coverage Universe

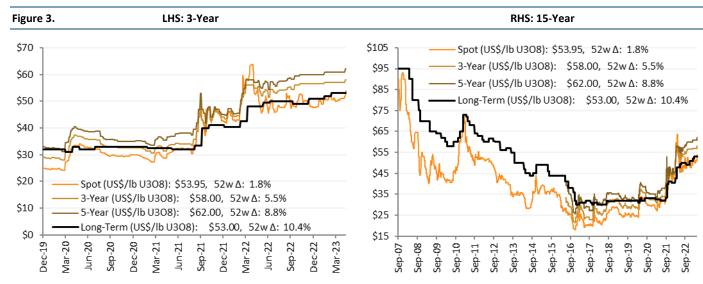
Figure 2. Uranium	Sector Haywoo	d Coverage
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C	Ticker	Last	Shares	MC	EV	Target	Return	Rating	NAVPS	CFPS	(US\$)
Company	Price (C\$) O/S (M) (C\$M) (C\$M) (C\$)		(C\$)	(%)	Rating	(US\$)	2022E	2023E			
Denison Mines	DML-T	\$1.40	835	\$1,170	\$1,111	\$2.90	107%	BUY	C\$2.86	(\$0.01)	(\$0.01)
enCore Energy Corp.	EU-US	US\$1.98	143	US\$283	US\$380	US\$5.00	153%	BUY	US\$5.02	(\$0.22)	(\$0.40)
Energy Fuels	UUUU-US	US\$5.23	158	US\$826	US\$758	US\$9.25	77%	BUY	US\$9.27	(\$0.10)	(\$0.03)
IsoEnergy Ltd.	ISO-V	\$2.39	109	\$261	\$263	\$7.00	193%	BUY	C\$7.02	(\$0.07)	(\$0.07)
NexGen Energy	NXE-T	\$4.98	487	\$2,427	\$2,406	\$11.00	121%	BUY	C\$8.03	(\$0.02)	(\$0.01)
Uranium Energy	UEC-US	US\$2.52	375	US\$946	US\$914	US\$6.60	162%	BUY	US\$6.55	(\$0.06)	\$0.01

Source: Haywood Securities

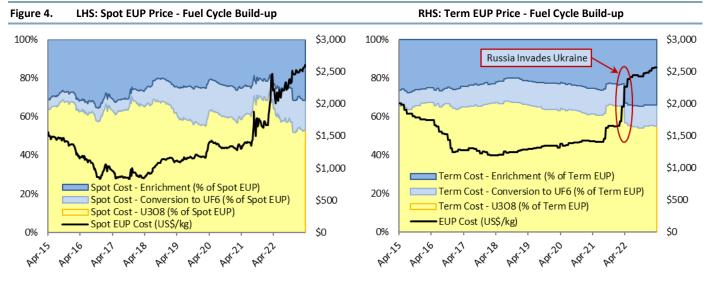


Uranium Price Charts



Source: UxC, Haywood Securities

Uranium Price Charts



Source: UxC, Haywood Securities (example based on an EUP at 4.5% U²³⁵, tails assay of 0.30% U²³⁵)

Uranium Equity Relative Performance Charts (1-year, indexed to 100)

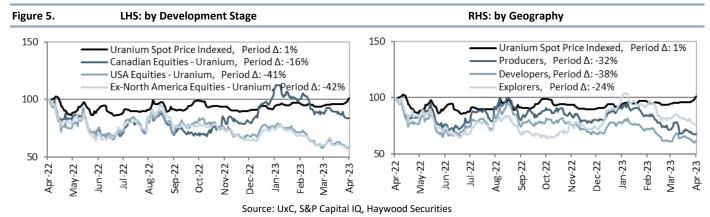




Figure 6. Uranium Sector Comps with 1-Week Performance Data

		Consensus IBES	Targets	Shares	Market		Comps - EV/Ib Total Reserves		NAV Co IBES	mps	Cas	h Flow Cor P/CFPS	nps	Performance
Company (Ticker)		Consensus	Implied	Outst.	Capitalization		& Resources		Consensus	Price /		1/0110		Apr. 19, 2023
laywood Covered Names bold	Share Price	Target	Return	(millions)	(millions)	(millions)	(M lb)	Resource	NAV	Nav	2022	2023	2024	to Apr. 26, 2023
Cameco Corporation (CCO-T)	\$35.79	\$48.06	34%	433	\$15,500	\$10,507	1057.5	\$9.94	\$31.51	1.14x	44.0x	21.1x	11.5x	4.1%
azatomprom (KAP-LSE)	\$28.90	\$36.77	27%	259	\$7,495	\$8,604	1264.3	\$6.81	\$39.03	0.74x	12.0x	7.3x	7.1x	(0.9)%
Iranium Energy (UEC-NYSEAM)	\$2.52	\$6.85	172%	375	\$946	\$914	363.5	\$2.52	\$6.94	0.36x		37.8x	20.00	(7.7)%
Paladin Energy (PDN-AU)	\$0.63 \$5.23	\$0.67 \$9.65	6% 85%	2,980 158	\$1,869 \$826.5	\$1,083 \$758.1	381.7 108.0	\$2.84 \$7.02	\$0.80 \$8.85	0.79x 0.59x		313.5x	36.9x 1046.0x	(2.0)% 0.8%
Boss Energy (BOE-AU)	\$2.40	\$3.03	36%	353	\$844.4	\$468.8	71.4	\$6.57	\$3.20	0.35x			21.1x	0.6%
Energy Resources (ERA-AU)	\$0.04	ψ0.21	0070	3,691	\$151.3	\$48.7		Ç0.01	\$0.20	0.1 0.4			21.174	(16.3)%
Jr-EnergyInc. (URE-T)	\$1.19	\$2.60	119%	265	\$315.0	\$209.5	41.4	\$5.07	\$3.20	0.37x			7.9x	(4.8)%
Lotus Resources (LOT-AU)	\$0.18	\$0.35	99%	1,344	\$237.8	\$143.5	44.2	\$3.25	\$0.38	0.47x				(1.7)%
Peninsula Energy (PEN-AU)	\$0.14	\$0.37	171%	1,257	\$169.7	\$86.7	53.7	\$1.61	\$0.38	0.36x	95.1x		30.3x	(6.9)%
Group Average - Producers								\$5.07		0.62x	50.4x	94.9x	165.8x	(3.5)%
NexGen Energy (NXE-T)	\$4.98	\$9.82	97%	487	\$2,427	\$1,767	337.8	\$5.23	\$8.89	0.56x				2.0%
Denison Mines (DML-T)	\$1.40	\$2.09	50%	835	\$1,170	\$815.9	207.6	\$3.93	\$2.44	0.57x				2.2%
American Lithium (LI-V)	\$2.79	\$7.94	185%	214	\$598.0	\$426.9	123.4	\$3.46	\$11.44	0.24x				(7.3)%
enCore Energy (EU-V)	\$2.66	\$5.87	121%	143	\$380.4	\$380.0	149.8	\$2.54	\$5.45	0.49x				6.0%
Fission Uranium (FCU-T)	\$0.59	\$1.28	116%	717	\$423.0	\$280.4	130.3	\$2.15	\$1.43	0.41x				1.7%
Global Atomic (GLO-T)	\$2.69	\$5.98	122%	202	\$542.8	\$393.2	273.6	\$1.44	\$5.40	0.50x				1.5%
Deep Yellow (DYL-AU)	\$0.50	\$0.90	80%	756	\$375.6	\$207.6	392.2	\$0.53						(3.5)%
soEnergy Ltd. (ISO-V)	\$2.39	\$6.23	160%	109	\$261.3	\$193.1	51.3	\$3.77	\$5.83	0.41x				(1.6)%
Bannerman Energy (BMN-AU) GoviEx Uranium (GXU-V)	\$1.30 \$0.16	\$2.96 \$0.60	128% 287%	151 641	\$195.7 \$99.3	\$95.7 \$81.0	237.9 191.2	\$0.40 \$0.42	\$0.82	0.19x				(5.8)% (27.9)%
aramide Resources (LAM-T)	\$0.16 \$0.36	φU.00	201%	225	\$99.3 \$80.0	\$81.0	191.2	\$0.42 \$0.47	φυ.02	0.19X				(27.9)%
Berkeley Energia (BKY-AU)	\$0.35			446	\$153.8	\$57.2	89.4	\$0.47						(2.8)%
Forsys Metals (FSY-T)	\$0.33			195	\$82.0	\$47.8	127.0	\$0.37						(3.4)%
Cap Energy (ACB-AU)	\$0.05			1,232	\$61.6	\$34.8	190.6	\$0.18						0.0%
Anfield Energy (AEC-V)	\$0.06	\$0.20	264%	679	\$37.3	\$22.8	18.5	\$1.23	\$0.29	0.19x				(8.3)%
Foro Energy (TOE-AU)	\$0.01			4,359	\$47.9	\$27.8	90.9	\$0.31						0.0%
Nestern Uranium (WUC-L)	\$1.07			44	\$46.7	\$24.6	52.4	\$0.47						(4.5)%
EnergyMetals (EME-AU)	\$0.12			210	\$24.1	\$6.8	57.6	\$0.12						0.0%
Group Average - Developers								\$1.53		0.40x				(3.2)%
wra Energy (AEE-AU)	\$0.24	\$0.40	67%	559	\$134.1	\$88.4								(4.0)%
CONSOLIDATED UTANIUM (CUR-V)	\$1.17	\$5.00	327%	99	\$115.9	\$69.6	253.0	\$0.28	\$4.93	0.24x				(1.7)%
3 Uranium (FUU-V)	\$0.35			338	\$116.5	\$75.1								7.8%
zimut Exploration (AZM-V)	\$1.36	\$3.60	165%	80	\$108.4	\$71.9								(4.2)%
lligator Energy (AGE-AU)	\$0.03			3,305	\$105.7	\$54.9								0.0%
Elevate Uranium (EL8-AU)	\$0.33			275	\$89.5	\$50.1	137.5	\$0.36						(5.8)%
DevEx Resources (DEV-AU)	\$0.31			371	\$114.9	\$59.0								14.8%
Mega Uranium (MGA-T)	\$0.18			360	\$64.7	\$36.2								0.0%
Skyharbour Resources (SYH-V)	\$0.38	\$0.85	124%	149	\$56.4	\$36.5	7.0	\$5.24						7.0%
ValOre Metals (VO-V)	\$0.19	\$1.05	453%	172	\$32.7	\$24.7	43.5	\$0.57						(5.0)%
CanAlaska Uranium (CW-V)	\$0.30			123	\$36.3	\$12.0								(11.9)%
Aurania Resources (ARU-V)	\$0.39			66	\$25.7	\$23.5 \$22.9								(4.9)%
Baselode Energy (FIND-V) Appia Rare (API-L)	\$0.40 \$0.21			93 131	\$36.7 \$26.8	\$22.9	55.8	\$0.26						(6.0)% (10.9)%
Purepoint Uranium (PTU-V)	\$0.21			418	\$18.8	\$10.9	55.0	Q0.20						(18.2)%
Blue Sky (BSK-V)	\$0.09	\$0.37	335%	218	\$18.5	\$10.3	22.7	\$0.54						(10.2)%
Globex Mining (GMX-T)	\$0.79	φ0.01	00070	55	\$43.6	\$16.1	22.1	Q0.04						(11.2)%
92 Energy (92E-AU)	\$0.35			93	\$32.2	\$16.3								(11.0)%
District Metals (DMX-V)	\$0.09			107	\$9.6	\$6.5								(10.0)%
Okapi Resources (OKR-AU)	\$0.13			184	\$22.9	\$13.7								0.0%
Strathmore Plus (SUU-V)	\$0.70			39	\$27.2	\$18.1	0.0							(17.6)%
K-Terra Resources (XTT-V)	\$0.55			18	\$10.1	\$6.6								(17.9)%
Forum Energy (FMC-V)	\$0.09			189	\$17.0	\$11.4	0.6	\$19.31						0.0%
Standard Uranium (STND-V)	\$0.04			182	\$6.4	\$3.4								(12.5)%
arku Resources (TKU-V)	\$0.08			108	\$8.1	\$5.9								(6.3)%
Cauldron Energy (CXU-AU)	\$0.01			932	\$6.5	\$2.6	30.9	\$0.08						0.0%
GTIEnergy (GTR-AU)	\$0.01			1,792	\$14.3	\$8.1								(11.1)%
LX Resources (AL-V)	\$0.04			234	\$8.2	\$4.3								0.0%
zincourt Energy (AAZ-V)	\$0.04			237	\$9.5	\$1.2								(11.1)%
nternational Prospect (IZZ-V)	\$0.04			51	\$1.8	\$1.0								(22.2)%
Jravan Minerals (UVN-V)	\$0.45			6	\$2.5	\$1.7								0.0%
Northern Uranium (UNO'H-V) wrupa Minerals (AVU-V)	\$0.01			162	\$1.6	\$1.2 \$1.2								0.0%
wrupa Minerais (AVU-V) Radio Fuels (CAKE-L)	\$0.04 \$0.13			55 140	\$1.9 \$18.1	\$1.2								(12.5)% 0.0%
Eros Resources (ERC-V)	\$0.13			98	\$18.1	(\$1.1) (\$3.6)								0.0%
Group Average - Explorers					ç0.0	(\$0.0)		\$3.33		0.24x				(5.6)%
VENTORY FUNDS Sprott Physical (U.UN-T)	\$15.54	\$23.50	51%	248	\$2,835	\$3,324	61.7	\$53.84						3.1%
Yellow Cake (YCA-LN)	£3.74	£5.57	49%	198	£740.9	\$908.1	18.8	\$48.29						3.8%
														3.4%
VALTY COMPANIES Uranium Royalty (URC-V)	\$2.53	\$6.17	144%	100	\$252.1	\$184.5			\$5.07	0.50x	28.1x	253.0x		(5.9)%
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ANIUM / NUCLEAR ETFs Global X (URA-US)	\$19.23			69	\$1,329									(1.1)%
Sprott Funds (URNM-US)	\$19.23			28	\$815.3									(1.1)%
/anEck Vectors (NLR-US)	\$55.11		1	1	\$58.8					1			11	(0.4)%

Source: S&P Capital IQ, Bloomberg, Haywood Securities, Company Reports



Figure 7. Uranium Equities β eta to Uranium price, plus $\beta_{equity/uranium}/\sigma_{equity}$

Ticker	Company	$oldsymbol{eta}_{uranium}$ (Last 1-year,	$\beta_{uranium} / \sigma_{equity}$	Absolute Return	Rank	Rank	Rank Absolute
TICKET	company	Weekly Simple Returns)	P _{uranium} / U _{equity}	(%)	Beta	$\beta_{uranium} / \sigma_{equit}$	v Return
TSXV:UNO.H	Northern Uranium Corp.	1.94	10.019	(67%)	1	35	64
ASX:EL8	Elevate Uranium Ltd	1.85	17.529	(53%)	2	2	50
ASX:OKR	Okapi Resources Limited	1.83	16.619	(63%)	3	3	62
TSX:FSY ASX:92E	Forsys Metals Corp. 92 Energy Limited	1.82 1.79	15.144 15.953	(41%) (56%)	4 5	11 8	32 53
ASX:BMN	Bannerman Energy Ltd	1.79	18.500	(47%)	6	1	40
CNSX:WUC	Western Uranium & Vanadium		16.043	(43%)	7	6	34
ASX:AGE	Alligator Energy Limited	1.68	15.652	(62%)	8	9	59
ASX:DYL	Deep Yellow Limited	1.64	15.440	(48%)	9	10	44
ASX:ACB	A-Cap Energy Limited	1.63	13.024	(63%)	10	18	61
TSXV:AEC	Anfield Energy Inc.	1.54	13.748	(48%)	11	15	42
TSXV:EU ASX:PEN	enCore Energy Corp. Peninsula Energy Limited	1.41 1.39	14.556 16.309	(40%) (44%)	12 13	13 5	31 37
ASX:PEN	Lotus Resources Limited	1.39	14.920	(47%)	15	12	41
TSXV:FIND	Baselode Energy Corp.	1.32	12.105	(59%)	15	24	57
TSX:MGA	Mega Uranium Ltd.	1.29	12.216	(46%)	16	22	38
ASX:GTR	GTI Energy Ltd	1.28	11.349	(62%)	17	28	58
ASX:TOE	Toro Energy Limited	1.17	10.503	(48%)	18	33	43
TSXV:ISO	IsoEnergy Ltd.	1.16	11.848	(47%)	19	25	39
TSX:EFR	Energy Fuels Inc.	1.13	12.151	(29%)	20	23	23
NYSEAM:UEC	Uranium Energy Corp.	1.11	10.897	(43%)	21	32	33 22
TSX:GLO TSX:FCU	Global Atomic Corporation Fission Uranium Corp.	1.10 1.01	13.642 11.042	(28%)	22 23	16 31	22
CNSX:API	Appia Rare Earths & Uranium Co		8.369	(34%) (63%)	23	31	60
TSX:DML	Denison Mines Corp.	1.01	11.371	(17%)	25	26	16
TSX:URE	Ur-Energy Inc.	0.97	11.090	(32%)	26	30	25
ASX:BOE	Boss Energy Limited	0.91	12.851	(10%)	27	19	14
ASX:PDN	Paladin Energy Ltd	0.91	12.736	(23%)	28	20	20
TSXV:AAZ	Azincourt Energy Corp.	0.88	7.380	(73%)	29	44	66
CNSX:CAKE	Radio Fuels Energy Corp.	0.87	8.225	(49%)	30	40	45
TSXV:CUR	Consolidated Uranium Inc.	0.86	10.324	(52%)	31	34	48
US:URNM TSX:HURA	Sprott Funds Trust - Sprott Uran		12.266	(21%)	32	21	18
TSX:HURA TSXV:GXU	Horizons Global Uranium Index GoviEx Uranium Inc.	0.84	14.245 6.798	(9%) (59%)	33 34	14 45	13 56
TSXV:AVU	Avrupa Minerals Ltd.	0.82	4.660	(56%)	35	51	54
TSXV:SUU	Strathmore Plus Uranium Corp.	0.79	4.906	180%	36	50	1
TSXV:URC	Uranium Royalty Corp.	0.79	9.052	(43%)	37	37	35
TSX:CCO	Cameco Corporation	0.79	11.303	6%	38	29	6
AIM:YCA	Yellow Cake plc	0.77	16.015	(7%)	39	7	11
TSXV:SYH	Skyharbour Resources Ltd.	0.76	8.228	(28%)	40	39	21
TSX:NXE ASX:EME	NexGen Energy Ltd.	0.76	9.803 7.790	(22%)	41 42	36 42	19 49
ASX:EIVIE ASX:BKY	Energy Metals Limited Berkeley Energia Limited	0.76	8.140	(52%) (12%)	42	42	49 15
TSX:U.UN	Sprott Physical Uranium Trust Fi		13.234	(6%)	44	17	10
US:URA	Global X Funds - Global X Uraniu		11.358	(18%)	45	27	17
TSXV:LI	American Lithium Corp.	0.68	5.507	(8%)	46	47	12
KAS:KZAP	JSC National Atomic Company K	0.66	16.612	(4%)	47	4	9
TSXV:FUU	F3 Uranium Corp.	0.61	2.275	146%	48	62	3
TSXV:PTU	Purepoint Uranium Group Inc.	0.59	5.286	(50%)	49	48	46
TSXV:VO	ValOre Metals Corp.	0.52	5.714	(56%)	50	46	55
TSXV:UVN TSXV:CVV	Uravan Minerals Inc. CanAlaska Uranium Ltd.	0.52 0.49	2.569 3.349	165% (36%)	51 52	61 57	2 27
ASX:DEV	DevEx Resources Limited	0.43	4.381	(39%)	53	53	30
TSXV:AL	ALX Resources Corp.	0.46	4.081	(36%)	54	56	28
TSXV:FMC	Forum Energy Metals Corp.	0.44	4.500	(50%)	55	52	46
TSXV:ERC	Eros Resources Corp.	0.38	5.090	(37%)	56	49	29
TSXV:ARU	Aurania Resources Ltd.	0.35	2.871	(30%)	57	58	24
TSX:GMX	Globex Mining Enterprises Inc.	0.33	4.296	(44%)	58	54	36
TSXV:STND	Standard Uranium Ltd.	0.32	2.620	(76%)	59	60	67
ASX:LAM	Laramide Resources Ltd.	0.30	4.140	(53%)	60 61	55	51
TSXV:BSK TSXV:XTT	Blue Sky Uranium Corp. X-Terra Resources Inc.	0.26 0.23	2.733 0.815	(65%) 124%	61 62	59 63	63 4
US:NLR	VanEck Vectors ETF Trust - VanE		7.421	(1%)	63	43	4
ASX:ERA	Energy Resources of Australia L		0.764	(88%)	64	64	68
ASX:CXU	Cauldron Energy Limited	-0.10	-0.655	(53%)	65	65	52
TSXV:AZM	Azimut Exploration Inc.	-0.20	-1.069	3%	66	66	7
TSXV:TKU	Tarku Resources Ltd.	-0.62	-2.099	7%	67	67	5
TSXV:IZZ	International Prospect Ventures	-0.62	-5.379	(71%)	68	68	65

Source: UxC, CapitalIQ, Bloomberg, Haywood



Figure 8. Uranium Comps Performance

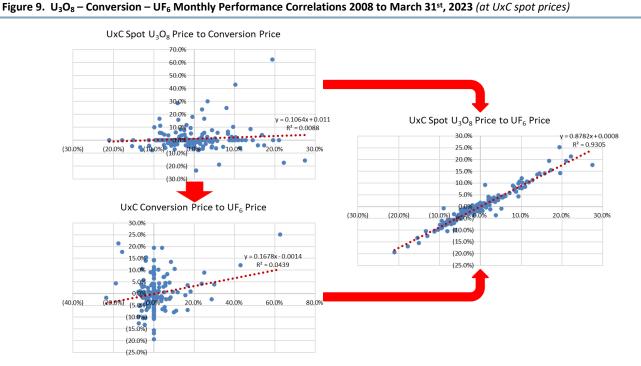
Index	Ticker	Short Interest / Days to Cover	1-Day ∆ (%)	5-Day ∆ (%)	10-Day ∆ (%)	30-Day ∆ (%)	90-Day ∆ (%)	YTD ∆ (%)	12-Mth Δ (%)	2-year (%)
S&P/TSX COMPOSITE INDEX	.TTT-T		(1.5)%	(1.3)%	(1.0)%	4.4%	(1.1)%	5.1%	(3.1)%	6.6%
S&P/TSX VENTURE COMPOSITE	.JX-T		(1.2)%	(2.1)%	(5.5)%	(1.5)%	(3.2)%	5.7%	(26.9)%	(35.3)
S&P/TSX 60 INDEX	T.XLX-T		(1.4)%	(1.2)%	(0.8)%	4.9%	(0.9)%	5.2%	(3.3)%	8.2%
CAMECO CORPORATION	CCO-T	4.6% / 4.1	3.5%	3.9%	2.3%	8.3%	(2.1)%	16.6%	4.2%	75.4%
KAZATOMPROM S	KAP-LN	4.0/07 4.1	(0.5)%	(1.0)%	(0.7)%	5.4%	(6.3)%	4.8%	1.7%	13.2%
URANIUM ENERGY CORP	UEC-US	13.7% / 4.4	(0.3)%		(11.3)%		(36.2)%			(12.2)
PALADIN ENERGY L	PDN-AU		0.8%	(6.7)%		(7.7)% 9.6%	(22.8)%	(35.1)% (10.7)%	(45.2)%	60.39
		4.1% / 7.1		(0.8)%	(5.3)%				(25.4)0/	
ENERGY FUELS INC	UUUU-US	18.0% / 12.5	2.5%	1.6%	(2.8)%	5.4%	(28.9)%	(15.8)%	(35.1)%	(5.6)
BOSS ENERGY	BOE-AU	6.2% / 9.3	3.2%	4.6%	(1.0)%	10.9%	(1.8)%	12.4%		113.8
ENERGY RESOURCES	ERA-AU	0.2% / 1.0	(0.0)%	(16.3)%	(19.6)%	(25.5)%	(38.8)%	(26.8)%		(24.1
UR ENERGY INC	URE-T	3.0% / 6.3	1.7%	(1.7)%	(7.0)%	1.7%	(30.0)%	(24.2)%	(33.9)%	(10.5
LOTUS RESOURCES	LOT-AU	1.0% / 3.1	4.1%	(4.3)%	(9.2)%	14.2%	(24.7)%	(13.7)%		41.69
PENINSULA ENERGY	PEN-AU	0.5% / 1.7	0.0%	(10.0)%	(12.9)%	3.8%	(10.0)%	3.8%		8.0%
NEXGEN ENERGY LTD	NXE-T	5.7% / 6.4	4.2%	2.0%	(0.4)%	0.0%	(20.6)%	(16.9)%	(22.1)%	10.99
DENISON MINES CORPORATION	DML-T	5.3% / 6.8	2.9%	2.2%	2.2%	4.5%	(27.1)%	(9.7)%	(20.0)%	14.89
GLOBAL ATOMIC CORPORATION	GLO-T	1.5% / 3.8	3.5%	2.3%	(2.5)%	1.9%	(22.9)%	(23.4)%	(29.6)%	0.7%
DEEP YELLOW	DYL-AU	5.8% / 12.5	(1.0)%	(2.9)%	(9.1)%	(2.0)%	(38.7)%	(23.4)%	(20.0)/0	(21.3
FISSION URANIUM CORP	FCU-T	1.5% / 3.1			(6.3)%				(34.4)%	3.5%
			5.4%	7.3%		(3.3)%	(35.9)%	(26.3)%		
	LI-V	1.0% / 4.1	(2.1)%	(7.0)%	(11.4)%	(14.2)%	(41.3)%	(1.1)%	(14.7)%	24.0
ISOENERGY LTD	ISO-V	0.8% / 3.1	2.1%	(0.8)%	(11.5)%	(3.2)%	(21.6)%	(17.9)%	(46.3)%	0.4%
ENCORE ENERGY CORP	EU-V	0.2% / 0.7	7.7%	7.3%	3.5%	(1.5)%	(19.4)%	(16.9)%	(44.6)%	(24.2
BANNERMAN ENERGY	BMN-AU	1.8% / 6.4	3.2%	(6.2)%	(8.8)%	(1.1)%	(33.4)%	(28.1)%		3.6%
GOVIEX URANIUM INC	GXU-V	0.1% / 0.5	0.0%	(24.4)%	(22.5)%	(6.1)%	(35.4)%	(13.9)%	(58.7)%	(42.6
FORSYS METALS CORP	FSY-T	0.2% / 1.9	2.4%	(4.5)%	(4.5)%	0.0%	(12.5)%	(15.2)%	(40.0)%	(43.2
LARAMIDE RESOURCES LTD	LAM-T	1.7% / 11.2	1.4%	(4.1)%	(5.3)%	(11.3)%	(24.5)%	(24.5)%	(49.3)%	(27.6
A-CAP ENERGY	ACB-AU	0.1% / 1.2	4.2%	0.0%	(2.0)%	(15.3)%	(39.0)%	(28.6)%		0.0%
BERKELEY ENERGIA	BKY-AU	0.1% / 1.3	(1.4)%	(2.8)%	(12.7)%	(2.8)%	11.3%	. ,		(41.0
WESTERN URANIUM & VANADIUM CORP	WUC-L	0.1% / 0.1	4.9%	(3.6)%	(7.0)%	10.3%	0.0%	(9.3)%	(44.3)%	(39.2
TORO ENERGY	TOE-AU	0.1% / 0.3	0.0%	(8.3)%	0.0%	10.0%	0.0%	22.2%	(44.5)/0	(47.6
ANFIELD ENERGY INC	AEC-V				(15.4)%	0.0%	(26.7)%			(45.0
ENERGY MET FPO	EME-AU	0.2% / 1.2	(8.3)%	(8.3)%	8.7%	13.6%	(13.8)%	(8.3)% (3.8)%	(45.0)%	(45.0
ALLIGATOR ENERGY	AGE-AU	1.5% / 7.2	0.0%	(5.9)%	(5.9)%	0.0%	(23.8)%	(17.9)%		128.6
CONSOLIDATED URANIUM INC	CUR-V	0.7% / 2.1	1.7%	(4.1)%	(3.3)%	0.9%	(37.1)%	(27.8)%	(53.8)%	(35.0
ELEVATE URANIUM	EL8-AU	2.1% / 12.3	1.6%	(4.4)%	(9.7)%	1.6%	(19.8)%	(12.2)%		132.1
DEVEX RESOURCES	DEV-AU	0.1% / 2.1	8.8%	14.8%	6.9%	34.8%	0.0%	10.7%		6.9%
MEGA URANIUM LTD	MGA-T	0.3% / 1.9	2.9%	2.9%	0.0%	0.0%	(21.7)%	(10.0)%	(45.5)%	(2.7)
SKYHARBOUR RESOURCES LTD	SYH-V	0.3% / 1.3	8.6%	4.1%	10.1%	5.6%	(16.5)%	4.1%	(32.1)%	(9.5)
BASELODE ENERGY CORP	FIND-V	0.7% / 1.0	(3.7)%	1.3%	(16.0)%	(6.0)%	(30.7)%	(4.8)%	(59.3)%	(17.7
VALORE METALS CORP	VO-V	0.1% / 0.1	(13.6)%	(7.3)%	(7.3)%	(5.0)%	(36.7)%	(30.9)%	(60.0)%	(35.6
APPIA RARE EARTHS & URANIUM CORP	API-L	0.0% / 0.1	(2.4)%	(10.9)%	(4.7)%	(28.1)%	(32.8)%	(30.5)%	(64.0)%	(67.5
AZIMUT EXPLORATION INC	AZM-V									
		0.2% / 2.1	(2.9)%	(3.5)%	(2.9)%	8.8%	(23.2)%	94.3%	5.4%	36.0
92 ENERGY	92E-AU	0.8% / 2.4	0.0%	(9.2)%	(13.8)%	6.2%	(19.8)%	(19.8)%	(25.0)0/	32.7
AURANIA RESOURCES LTD	ARU-V	0.2% / 1.1	(2.5)%	(2.5)%	0.0%	(11.4)%	(42.6)%	0.0%	(35.0)%	(85.1
CANALASKA URANIUM LTD	CVV-V	0.7% / 1.4	(10.6)%	(3.3)%	(14.5)%	(11.9)%	(50.8)%	(23.4)%	(39.2)%	(53.9
BLUE SKY URANIUM CORP	BSK-V	0.3% / 1.8	(5.6)%	(0.0)%	(10.5)%	(5.6)%	(32.0)%	(5.6)%	(63.8)%	(63.8
OKAPI RESOURCES	OKR-AU	0.0% / 0.0	0.0%	0.0%	(10.7)%	(7.4)%	(39.0)%			(30.6
PUREPOINT URANIUM GRP INC	PTU-V	0.0% / 0.0	(10.0)%	(18.2)%	(18.2)%	(30.8)%	(40.0)%	(25.0)%	(50.0)%	(52.6
GLOBEX MINING ENTERPRISES INC	GMX-T	0.2% / 0.6	(3.7)%	(6.0)%	(13.2)%	9.7%	(10.2)%	14.5%	(45.9)%	(12.2
GTI ENERGY	GTR-AU	0.0% / 0.0	(11.1)%	(11.1)%	0.0%	(11.1)%	(27.3)%	(27.3)%		(57.9
FORUM ENERGY METALS CORP	FMC-V	0.1% / 0.4	0.0%	0.0%	(5.3)%	(5.3)%	(25.0)%	(5.3)%	(52.6)%	(73.5
STANDARD URANIUM LTD	STND-V	0.0% / 0.1	(12.5)%	(12.5)%	(22.2)%	(30.0)%	(65.0)%	(41.7)%	(76.7)%	(82.5
F3 URANIUM CORP	FUU-V	2.2% / 1.3		9.5%	3.0%			9.5%	146.4%	263.2
			11.3%			(10.4)%	(18.8)%			
	AAZ-V	0.0% / 0.1	0.0%	0.0%	(11.1)%	0.0%	(42.9)%	(27.3)%	(73.3)%	(81.2
ALX RESOURCES CORP	AL-V	0.1% / 0.3	(0.0)%	(0.0)%	(12.5)%	(42 5) 51	(30.0)%	(12.5)%	(41.7)%	(61.1
CAULDRON ENERGY	CXU-AU	0.0% / 0.0	16.7%	(0.0)%	(0.0)%	(12.5)%	1	(0.0)%		(81.1
TARKU RESOURCES LTD	TKU-V	0.1% / 0.1	7.1%	0.0%	0.0%	(6.3)%	(16.7)%	7.1%	0.0%	(48.3
NORTHERN URANIUM CORP	UNO'H-V	0.1% / 8.6	0.0%	0.0%	0.0%		0.0%	(33.3)%	(66.7)%	(50.0
X-TERRA RESOURCES INC	XTT-V	0.1% / 0.4	(5.2)%	(15.4)%	(8.3)%	(16.7)%	(45.8)%	31.0%	124.5%	(21.4
AVRUPA MINERALS LTD	AVU-V	0.0% / 0.7	(0.0)%				40.0%		(58.8)%	
INTERNATIONAL PROSPECT VENTURES LTD	IZZ-V	0.0% / 0.0	(0.0)%		(22.2)%	(22.2)%				(75.9
URAVAN MINERALS INC	UVN-V						32.4%	16.9%	164.7%	28.6
EROS RESOURCES CORP	ERC-V	0.0% / 1.9	0.0%					,.		(33.3
ENTORY FUNDS	2	0.0787 1.5	0.070							(55.5
SPROTT PHYSICAL URANIUM TRUST	U.UN-T	1.6% / 2.1	2.6%	3.1%	0.7%	2.5%	(6.2)%	(1.8)%	(7.4)%	
YELLOW CAKE PLC										E2 24
TELLING LARE PIL	YCA-LN	0.2% / 0.7	5.6%	3.7%	0.8%	3.3%	(5.2)%	(0.2)%	(7.4)%	52.3
VALTY COMPANIES URANIUM ROYALTY CORP	URC-V	2.9% / 3.8	1.2%	(2.7)%	(9.6)%	(8.3)%	(26.9)%	(20.9)%	(44.2)%	(31.8

Source: UxC, CapitalIQ, Bloomberg, Haywood



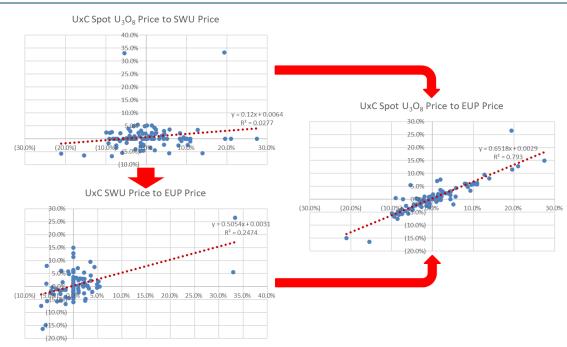
Uranium Fuel Cycle Price Relationships

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 9 & 10). On the lower left chart of each Figure, we see that the cost of fuel services exhibits 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 22.0%), and SWU costs have made up an average of 26% of the price of EUP (currently 30.5%) (or, conversely, UF_6 historically makes up 74% of the cost of EUP).



Source: Haywood Securities Inc., UxC





Source: Haywood Securities Inc., UxC



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I, Colin Healey, hereby certify that the views expressed in this report (which includes the rating assigned to the issuer's shares as well as the analytical substance and tone of the report) accurately reflect my/our personal views about the subject securities and the issuer. No part of my/our compensation was, is, or will be directly or indirectly related to the specific recommendations.

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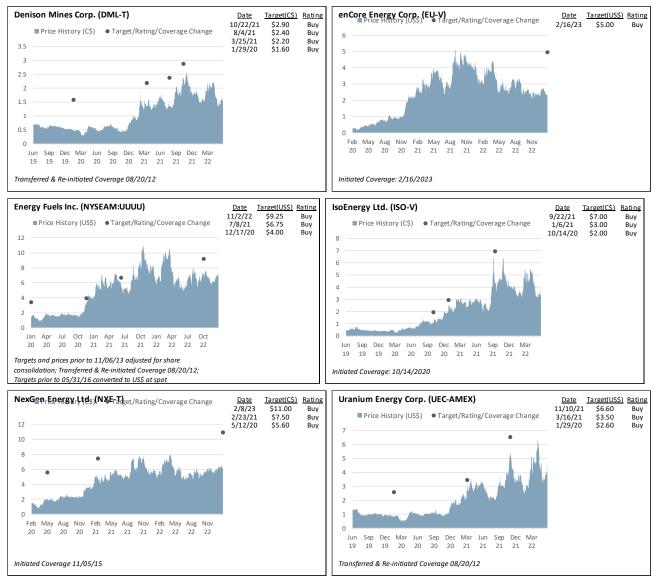
	Ticker	Company	1	2	3	4	5	6	7	8	9	
TSX:	DML	Denison Mines Corp. X X X										
US:E	U	Encore Energy Corp.			Х	Х	Х	Х				
TSX:	EFR	Energy Fuels Inc.			Х							
TSX\	/:ISO	IsoEnergy Itd.			Х	Х						
TSX:	NXE	NexGen Energy Ltd.			Х							
บระเ	JEC	Uranium Energy Corp.			Х							
1												
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3		ecurities, Inc. has reviewed lead projects of this c ursed by the issuer.	ompan	y and a	portion	of the	expens	es for ti	nis trav	ei may	nave	
		ecurities Inc. or one of its subsidiaries has manag	ed or c	o-mana	ged or I	particip	ated as	selling	group i	n a pub	lic	
4	-	securities for this company in the past 12 months			01				0 - 1			
5	_	ecurities, Inc. or one of its subsidiaries has receive		pensati	on for i	nvestm	ent ban	king se	rvices f	rom thi	S	
5	company in	the past 12 months.										
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Ŭ	services fro	m this company in the next three months.										
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			IB Clients
	%	#	(TTM)
Buy	73.8%	76	95.2%
Hold	6.8%	7	4.8%
Sell	0.0%	0	0.0%
Tender	1.0%	1	0.0%
UR (Buy)	0.0%	0	0.0%
UR (Hold)	0.0%	0	0.0%
UR (Sell)	0.0%	0	0.0%
Dropped (TTM)	18.4%	19	0.0%



Price Chart, Rating and Target Price History (as of April 27, 2023)



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

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