

URANIUM WEEKLY

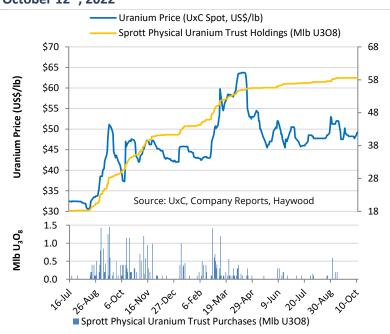
Uranium Sector M&A Action Heats up this Week

CAMECO EXPANDS ITS VERTICAL – UEC EXPANDS ATHABASCA FOOTPRINT Uranium Price Update & Sector Commentary: Close of October 12th, 2022

In a move to further expand its vertical integration in the nuclear sector, Cameco (CCO-T, not rated) announced Tuesday that it is forming a strategic partnership with Brookfield Renewable Partners (BEP.UN-T) to acquire Westinghouse Electric Company. Cameco will control 49% of the new partnership, with Brookfield Renewables and its institutional partners controlling 51%. Brookfield and its partners will invest ~\$2.3 billion of which Brookfield will make up ~\$750M (for ~17%), while Cameco will invest ~\$2.2 billion for its 49% share. Concurrently, Cameco announced a US\$650M bought deal equity financing at an ~15% discount to its closing price Tuesday evening, which was quickly taken up. Assuming full exercise of the underwriters' option, the financing will raise gross proceeds of ~US\$748M which Cameco will use to partially fund its share of the acquisition. Westinghouse Electric is "one of the world's leading nuclear services businesses" and will complement Cameco's downstream nuclear services operations which already include its Blind River uranium refinery which produces UO₃, and its conversion (from U₃O₈ to UF₆) and fuel fabrication capabilities for CANDU reactors performed at its Port Hope & Cobourg facilities. According to Cameco/Brookfield disclosure, "Westinghouse services about half the nuclear power generation sector and is the original equipment manufacturer to more than half the global nuclear *reactor fleet.*" Eighty-five percent of Westinghouse's revenue is derived from long-term contracts/recurring and has ~9,000 employees. The consortium cites several growth opportunities for the business in both its "core fuel and services segments", and its "growing pipeline for extending and uprating nuclear power plants", and "rising demand for new utility-scale and modular" power plants.

Uranium Equities - News

- Kingsland Minerals Ltd (KNG-AU, Not Rated): Provided results from the maiden drilling program at the Cleo Uranium Project-<u>link to Oct. 11th PR</u>
- Traction Uranium Corp. (TRAC-CSE, Not Rated): Mobilized crew to Hearty Bay to conduct field program – link to Oct. 11th PR
- Kraken Energy Corp (UUSA-CSE, Not Rated): Received drill permit for Garfield Hills Property – <u>link to Oct. 11th PR</u>



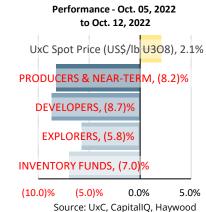
Uranium required and cost to make 1kg of EUP ($4.5\% U^{235}$): Mine/plant output of 26.7 lb U₃O₈ (\$1,315 cost) -> Conversion to UF₆ (\$388 cost) -> delivers 10.22 kgU as UF₆ (\$1,703 cumulative cost) -> enrichment: 6.23 SWU (\$573 cost) -> delivers 1kg EUP (\$2,277 cumulative cost). (US\$, spot U₃O₈, tails assay of 0.30% U²³⁵)

- Strathmore Plus Uranium Corporation (SUU-V, Not Rated): Received exploration permit for Beaver Rim- <u>link to Oct. 11th PR</u>
- Boss Energy Limited (BOE-AU, Not Rated): Secured key approval for restart at Honeymoon Uranium Project
 – link to Oct. 6th PR
- Uranium Energy Corp (UEC-US, BUY Rating, \$6.60 Target): Entered definitive agreement to acquire Roughrider – <u>link to Oct. 12th PR - Haywood Note</u>

UxC U ₃ O ₈ Prices	(USD per pound)
SPOT (1-day ∆):	\$49.25 (+0.5%)
(1-week Δ):	(+2.1%)
(1-month Δ):	(-2.0%)
3-year (1 -week Δ):	\$56.00 (unchanged)
5-year (1-week ∆):	\$59.50 (unchanged)
LT (@Sept. 26 th , 1-mth	∆): \$49.00 (-2.0%)

October 13, 2022

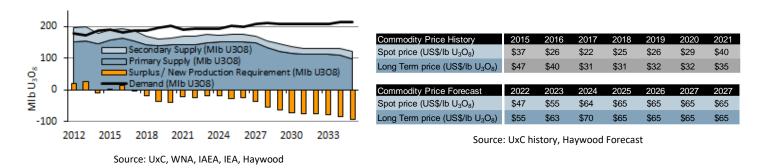
⁺ UxC Spot Price published daily, 3y, 5y pricing published weekly on Monday. UxC Long-Term price published last Monday of month.





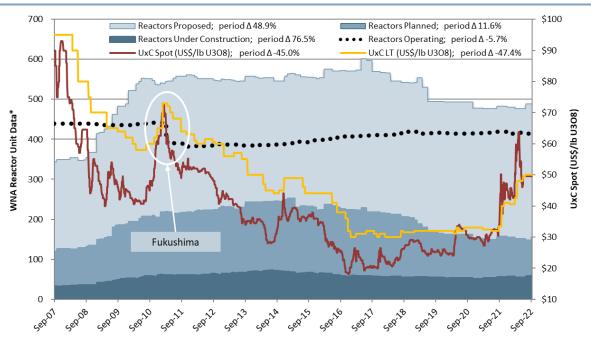
SPUT eU₃O₈ Holdings (Mlb)

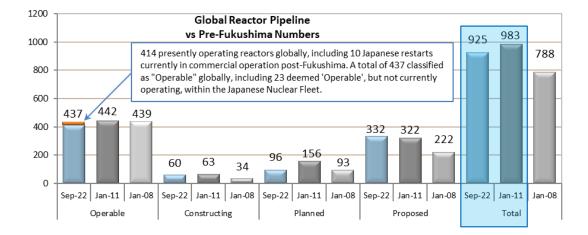
Uranium Sector – Haywood Supply / Demand Model & Uranium Price History & Forecast (annual average)



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

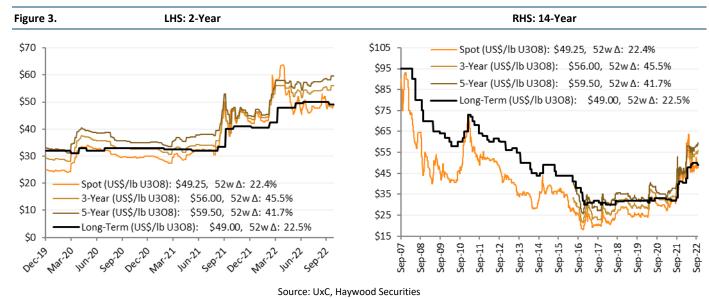
Figure 2. Uranium Sector Haywood Coverage

Compony	Ticker	Analyst	Last	Shares	MC	EV	Target	Return	Rating	NAVPS	CFPS	(US\$)
Company	TICKET	Analysi	Price (C\$)	O/S (M)	(C\$M)	(C\$M)	(C\$)	(%)	Rating	(US\$)	2022E	2023E
Denison Mines	DML-T	CH	\$1.59	818	\$1,300	\$1,234	\$2.90	82%	BUY	C\$2.85	(\$0.01)	(\$0.01)
Energy Fuels	UUUU-US	CH	US\$6.15	158	US\$969	US\$1,218	US\$6.75	10%	BUY	\$6.73	(\$0.02)	\$0.20
IsoEnergy Ltd.	ISO-V	CH	\$3.63	107	\$388	\$397	\$7.00	93%	BUY	C\$7.02	(\$0.07)	(\$0.07)
NexGen Energy	NXE-T	CH	\$5.03	480	\$2,413	\$2,340	\$7.50	49%	BUY	C\$7.50	(\$0.03)	(\$0.03)
Uranium Energy	UEC-US	CH	US\$3.66	346	US\$1,266	US\$1,234	US\$6.60	80%	BUY	\$6.55	(\$0.08)	(\$0.08)

Source: Haywood Securities



Uranium Price Charts



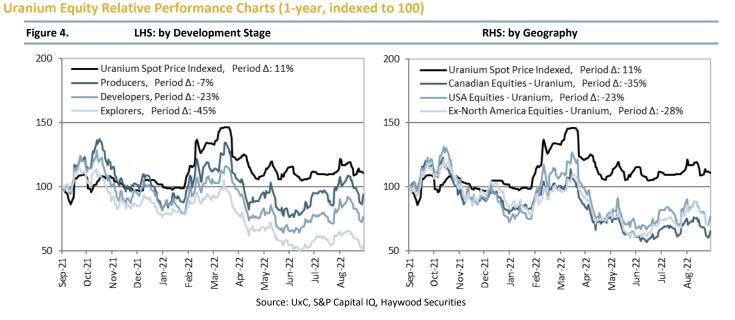




Figure 5. Uranium Sector Comps with 1-Week Performance Data

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Nacket Every NAC57 SSS SSSS SSS SSS	Ŷ											112.7x			
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Purepoint Uranium (PTU-V) \$0.07 369 \$24.0 \$15.6 (6.0% Globek Mining (GMX-T) \$0.76 56 \$42.3 \$14.8 (2.0%) Forum Energy (FMC-V) \$0.11 172 \$18.9 \$11.3 0.6 \$19.05 Slandard Uranium (STND-V) \$0.11 172 \$18.9 \$11.3 0.6 \$19.05 Slandard Uranium (STND-V) \$0.01 102 \$25.7 \$5.7 \$3.67 (0.9%)% Akncourt Energy (AZ-V) \$0.05 227 \$11.4 (\$0.3) (\$0.3) (11.5%) \$2.6 Caldron Energy (CXU-AU) \$0.01 535 \$5.9 \$3.8 30.9 \$0.12 (10.9%)% Tarku Resources (AL-V) \$0.02 \$2.4 \$1.8 \$4.4 (2.07)% (0.9)% (10.9%)% (10.9%)% (10.9%)% (10.9%)% (18.5%)% (20.7%)% (0.9)% (18.5%)% (20.7%)% (20.7%)% (20.7%)% (20.7%)% (20.7%)% (20.7%)% (20.7%)% (20.7%)% (20.7%)% (20.7%)% (20.7								22.7	\$0.84						
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Yellow Cake (YCALN) £3.86 £5.55 44% 183 £706.8 \$653.9 19.8 \$32.98 (9.1)% (7.0)%															
ROYALTY COMPANIES (7.0)%															
ROYALTY COMPANIES	Yellow Cake (YCA-LN)	£3.86	£5.55	44%	183	£706.8	\$653.9	19.8	\$32.98	L		L			
Tranium Royalty (URC-V) \$3.08 \$6.72 118% 97 \$299.8 \$144.6 \$3.91 0.79x (13.51%)															
Source: S&P Capital IQ, Bloomberg, Haywood Securities, Company Reports	Uranium Royalty (URC-V)	\$3.08				-									(13.5)%



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)	$\beta_{\text{uranium}}/\sigma_{\text{equity}}$	Absolute Return (%)	Rank Beta	Rank $oldsymbol{eta}_{ ext{uranium}}$ / $oldsymbol{\sigma}_{ ext{equity}}$	Rank Absolute Return
ASX:EL8	Elevate Uranium Ltd	1.65	12.262	(8%)	1	4	11
TSXV:AEC	Anfield Energy Inc.	1.57	11.514	(50%)	2	7	43
US:UEC	Uranium Energy Corp.	1.52	9.970	10%	3	15	5
ASX:TOE	Toro Energy Limited	1.50	11.676	(43%)	4	5	39
ASX:PEN	Peninsula Energy Limited	1.45	13.800	(30%)	5	1	28
ASX:BMN	Bannerman Energy Ltd	1.41	11.126	(40%)	6	10	35
TSXV:FMC	Forum Energy Metals Corp.	1.40	9.451	(78%)	7	21	63
ASX:DYL	Deep Yellow Limited	1.37	11.308	(15%)	8	8	14
ASX:AGE	Alligator Energy Limited	1.36	10.053	(16%)	9 10	14 20	15 36
TSX:FSY ASX:92E	Forsys Metals Corp.	1.31 1.29	9.502 10.073	(41%) (29%)	10	13	26
CNSX:WUC	92 Energy Limited Western Uranium & Vanadium (9.552	(57%)	11	13	48
ASX:LOT	Lotus Resources Limited	1.25	11.561	(18%)	12	6	48
TSXV:URC	Uranium Royalty Corp.	1.23	10.520	(47%)	13	12	41
ASX:OKR	Okapi Resources Limited	1.23	9.704	(55%)	14	12	41
ASX:GTR	GTI Energy Ltd	1.22	9.106	(38%)	16	23	31
TSXV:FIND	Baselode Energy Corp.	1.19	9.817	(28%)	17	16	22
TSX:URE	Ur-Energy Inc.	1.19	10.823	(29%)	18	10	25
TSXV:ISO	IsoEnergy Ltd.	1.12	7.953	(23%)	19	36	20
TSXV:GXU	GoviEx Uranium Inc.	1.08	8.104	(46%)	20	33	40
TSX:EFR	Energy Fuels Inc.	1.06	8.730	(9%)	21	27	12
ASX:BOE	Boss Energy Limited	1.04	11.256	29%	22	9	1
ASX:BKY	Berkeley Energia Limited	1.04	8.354	(12%)	23	32	13
TSX:MGA	Mega Uranium Ltd.	1.02	8.059	(31%)	24	34	29
TSXV:EU	enCore Energy Corp.	0.96	8.914	(43%)	25	24	37
ASX:ACB	A-Cap Energy Limited	0.96	6.510	(1%)	26	45	9
TSX:FCU	Fission Uranium Corp.	0.93	8.443	(38%)	27	31	32
TSXV:SYH	Skyharbour Resources Ltd.	0.92	7.352	(43%)	28	39	38
TSXV:UNO.H	Northern Uranium Corp.	0.91	6.676	(63%)	29	43	53
TSXV:FUU	Fission 3.0 Corp.	0.89	7.228	(54%)	30	40	45
ASX:PDN	Paladin Energy Ltd	0.87	9.580	3%	31	18	6
TSX:DML	Denison Mines Corp.	0.87	8.552	(22%)	32	29	19
AIM:YCA	Yellow Cake plc	0.87	13.192	12%	33	2	3
TSXV:XTT	X-Terra Resources Inc.	0.87	5.242	(60%)	34	49	51
TSX:GLO	Global Atomic Corporation	0.86	8.824	(6%)	35	26	10
TSXV:CVV	CanAlaska Uranium Ltd.	0.83	5.415	(39%)	36	48	34
TSXV:AAZ	Azincourt Energy Corp.	0.82	7.582	(76%)	37	37	62
TSX:NXE	NexGen Energy Ltd.	0.82	8.609	(28%)	38	28	23
TSXV:PTU	Purepoint Uranium Group Inc.	0.82	7.438	(55%)	39	38	47
TSX:CCO	Cameco Corporation	0.77	9.330	1%	40	22	7
ASX:EME	Energy Metals Limited	0.75	8.009	(57%)	41	35	50
TSXV:VEC	Vanadian Energy Corp.	0.75	3.758	(63%)	42	56	53
TSX:U.U	Sprott Physical Uranium Trust Fi		12.273	18%	43	3	2
TSX:GMX	Globex Mining Enterprises Inc.	0.73	8.885	(21%)	44	25	18
ASX:DEV	DevEx Resources Limited	0.68	4.831	11%	45	50	4
TSXV:CUR	Consolidated Uranium Inc.	0.68	7.170	(26%)	46	41	21
TSXV:BSK CNSX:API	Blue Sky Uranium Corp.	0.67	6.152	(57%)	47	47	48 33
TSXV:VO	Appia Rare Earths & Uranium Co		4.670	(38%) 0%	48	51 44	35 8
TSXV:VU	ValOre Metals Corp. Avrupa Minerals Ltd.	0.61 0.60	6.570 4.104	(75%)	49 50	55	60
TSXV:STND	Standard Uranium Ltd.	0.57	4.619	(70%)	51	52	58
TSXV:AL	ALX Resources Corp.	0.56	6.191	(63%)	52	46	53
KAS:KZAP	JSC National Atomic Company K		8.538	(18%)	53	30	17
ASX:ERA	Energy Resources of Australia Li		6.926	(47%)	54	42	42
TSXV:UVN	Uravan Minerals Inc.	0.45	4.324	(50%)	55	53	42
TSXV:ERC	Eros Resources Corp.	0.40	4.247	(29%)	56	54	27
TSXV:LIC	International Prospect Venture:	0.37	3.348	(75%)	57	57	60
TSXV:ILL	American Lithium Corp.	0.28	2.098	(29%)	58	59	24
ASX:LAM	Laramide Resources Ltd.	0.28	3.177	(35%)	59	55	30
ASX:CXU	Cauldron Energy Limited	0.22	1.530	(61%)	60	61	52
TSXV:AZM	Azimut Exploration Inc.	0.12	1.872	(63%)	61	60	53
TSXV:TKU	Tarku Resources Ltd.	0.06	0.233	(63%)	62	62	53
13/11/10							

Source: UxC, CapitalIQ, Bloomberg, Haywood



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

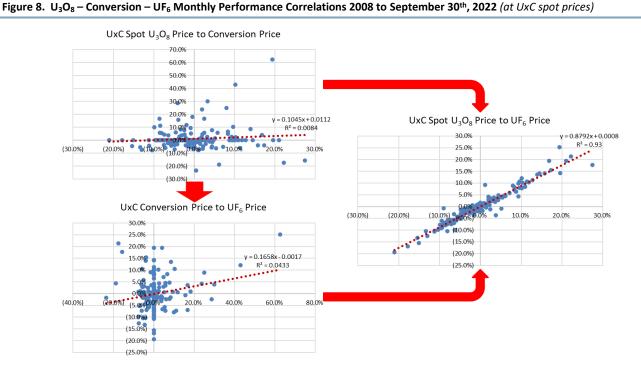
Index	Ticker	Short Interest / Days to Cover	1-Day ∆ (%)	5-Day ∆ (%)	10-Day ∆ (%)	30-Day ∆ (%)	90-Day ∆ (%)	YTD Δ (%)	12-Mth Δ (%)	2-yea (%)
S&P/TSX COMPOSITE INDEX	.тт-т		(0.0)%	(2.0)%	(1.3)%	(8.9)%	(0.6)%	(14.2)%	(10.9)%	10.0%
S&P/TSX VENTURE COMPOSITE	.JX-T		(0.2)%	(3.5)%	(1.2)%	(11.0)%	0.2%	(37.5)%	(34.5)%	(19.8)
S&P/TSX 60 INDEX	T.XLX-T		(0.1)%	(2.0)%	(1.6)%	(8.9)%	(1.1)%	(14.5)%	(10.3)%	11.0%
CAMECO CORPORATION	CCO-T	4.2% / 2.0	(12.8)%	(15.3)%	(15.3)%	(21.1)%	7.1%	12.6%	1.9%	142.7
KAZATOMPROM S	KAP-LN	4.2/0/2.0	(12.8)%	(13.3)%	9.6%	(15.9)%	15.8%	(24.9)%	(30.8)%	101.5
PALADIN ENERGY L	PDN-AU	5.8% / 7.1	(2.6)%	(3.2)%	0.0%	(17.9)%	24.8%	(14.2)%	2.7%	518.99
JRANIUM ENERGY CORP	UEC-US	13.9% / 4.8	(2.6)%	(6.3)%	6.9%	(15.2)%	13.7%	11.6%	11.6%	263.1
NERGY FUELS INC	UUUU-US	18.0% / 7.7	(1.1)%	(8.4)%	1.0%	(18.3)%	16.4%	(19.0)%	(17.5)%	263.5
BOSS EN FPO	BOE-AU	3.4% / 4.4	(0.4)%	(5.6)%	(4.2)%	(12.2)%	31.8%	12.4%	29.1%	379.2
NERGY RESOURCES	ERA-AU	0.0% / 0.1	1.0%	(2.4)%	(0.0)%	(19.6)%	(0.0)%	(39.7)%	(47.4)%	32.3
JR ENERGY INC	URE-T	4.3% / 5.4	0.6%	(3.1)%	2.0%	(16.1)%	15.6%	1.3%	(28.8)%	155.7
OTUS RESOURCES	LOT-AU	0.9% / 1.4	0.0%	(6.7)%	(6.7)%	(20.8)%	5.0%	(32.3)%	(17.6)%	133.3
ENINSULA ENERGY	PEN-AU	1.3% / 2.8	0.0%	(3.0)%	(3.0)%	(17.9)%	6.7%	(20.0)%	(30.4)%	150.0
EXGEN ENERGY LTD	NXE-T	6.2% / 4.6	0.6%	(4.6)%	0.2%	(15.9)%	5.9%	(9.2)%	(28.2)%	121.6
ENISON MINES CORPORATION	DML-T	6.2% / 5.4	3.2%	(3.0)%	(0.6)%	(14.0)%	16.8%	(8.0)%	(21.2)%	236.8
LOBAL ATOMIC CORPORATION	GLO-T	1.6% / 3.7	6.9%	2.8%	6.9%	(12.7)%	33.8%	(11.2)%	(4.9)%	472.3
EEP YELLOW	DYL-AU	1.6% / 2.4	(1.3)%	(6.7)%	(4.9)%	(35.8)%	24.2%	(10.5)%	(15.4)%	140.6
ISSION URANIUM CORP	FCU-T	1.5% / 3.0	1.5%	(2.9)%	3.0%	(17.1)%	4.6%	(12.8)%	(35.8)%	119.4
MERICAN LITHIUM CORP	LI-V	0.8% / 2.2	1.0%	(7.0)%	(2.5)%	(18.1)%	23.6%	(53.3)%	(28.2)%	44.2
OENERGY LTD	ISO-V	1.4% / 2.7	14.5%	4.2%	(5.8)%	(21.4)%	28.7%	(0.5)%	(20.3)%	264.7
NCORE ENERGY CORP	EU-V	0.4% / 1.5	5.8%	(2.5)%	(3.6)%	(23.0)%	9.2%	(28.3)%	(41.5)%	183.1
ANNERMAN ENERGY	BMN-AU	1.2% / 2.6	(4.7)%	(9.7)%	(11.0)%	(17.8)%	1.4%	(32.4)%	(40.2)%	421.4
OVIEX URANIUM INC	GXU-V	0.9% / 2.0	4.7%	2.3%	(2.2)%	(29.7)%	(13.5)%	(36.6)%	(46.4)%	66.7
ORSYS METALS CORP	FSY-T	0.5% / 3.0	0.0%	(3.2)%	11.1%	(18.9)%	17.6%	(29.4)%	(37.5)%	100 2
ARAMIDE RESOURCES LTD -CAP ENERGY	LAM-T ACB-AU	1.9% / 5.6	3.1%	(4.8)%	0.0%	(17.5)%	12.5% 9.8%	(30.3)%	(43.8)%	106.3
ERKELEY ENERGIA	BKY-AU	0.1% / 0.4 0.0% / 0.0	(1.5)% 0.0%	(2.9)% (3.7)%	(9.5)%	(30.2)% (20.0)%	(28.8)%	(53.8)% 13.0%	(1.5)% (11.9)%	(61.8
/ESTERN URANIUM & VANADIUM CORP	WUC-L	0.1% / 0.4	(7.3)%	(9.7)%	(21.5)%	(20.0)%	7.8%	(25.7)%	(57.2)%	85.3
ORO ENERGY	TOE-AU	0.1% / 0.3	(7.5)70	(5.7)70	(21.5)/0	(22.7)%	21.4%	(22.7)%	(43.3)%	30.8
NFIELD ENERGY INC	AEC-V	0.0% / 0.1	2.9%	(0.0)%	16.7%	(6.7)%	(0.0)%	(26.3)%	(50.0)%	50.0
NERGY MET FPO	EME-AU	010/07 012	2.570	7.1%	0.0%	(21.1)%	(0.0)/0	(44.4)%	(57.1)%	
LLIGATOR ENERGY	AGE-AU	2.2% / 2.9	0.0%	(7.3)%	(8.9)%	(29.2)%	6.3%	(7.3)%	(16.4)%	920.0
ONSOLIDATED URANIUM INC	CUR-V	0.5% / 1.3	(6.1)%	1.6%	(7.5)%	(15.1)%	10.1%	(35.2)%	(26.2)%	238.2
LEVATE URANIUM	EL8-AU	1.9% / 5.8	(2.2)%	(9.2)%	(8.2)%	(23.9)%	20.3%	(4.3)%	(8.2)%	349.5
	DEV-AU	0.1% / 1.1	(3.1)%	(4.6)%	0.0%	(20.5)%	3.3%	(36.7)%	10.7%	3.39
IEGA URANIUM LTD KYHARBOUR RESOURCES LTD	MGA-T SYH-V	0.5% / 2.1 0.4% / 0.6	7.1% 5.9%	2.3% 0.6%	2.3% (13.4)%	(16.7)% (25.5)%	28.6% 16.7%	(11.8)% (17.0)%	(29.7)% (41.7)%	73.1 130.0
ASELODE ENERGY CORP	FIND-V	0.2% / 0.4	(0.0)%	(2.8)%	(13.4)%	(19.5)%	(6.7)%	(17.0)%	(27.8)%	45.8
ALORE METALS CORP	VO-V	0.2% / 1.3	(1.3)%	(1.3)%	2.8%	(1.3)%	32.1%	(32.7)%	0.0%	37.0
PPIA RARE EARTHS & URANIUM CORP	API-L	0.2% / 0.4	(3.8)%	(1.9)%	0.0%	4.1%	70.0%	(12.1)%	(35.4)%	39.7
ZIMUT EXPLORATION INC	AZM-V	0.1% / 0.6	1.8%	5.6%	(1.7)%	(32.1)%	(28.8)%	(65.5)%	(62.5)%	(50.9
2 ENERGY	92E-AU	8.2% / 10.6	(1.0)%	(11.2)%	(9.5)%	(31.7)%	9.2%	(30.1)%	(28.6)%	
URANIA RESOURCES LTD	ARU-V	0.2% / 1.9	(0.0)%	(2.1)%	(0.0)%	(20.7)%	(31.3)%	(60.7)%	(70.7)%	(89.4
ANALASKA URANIUM LTD	CVV-V	0.4% / 0.7	(4.7)%	(6.8)%	(21.2)%	(30.5)%	43.9%	(6.8)%	(41.4)%	100.0
LUE SKY URANIUM CORP	BSK-V	2.3% / 14.0	(3.4)%	(6.7)%	(0.0)%	(26.3)%	7.7%	(28.2)%	(56.9)%	12.0
KAPI RESOURCES	OKR-AU	0.3% / 0.5	(4.3)%	(4.3)%	(6.2)%	(19.6)%	25.0%	(34.8)%	(54.5)%	15.4
UREPOINT URANIUM GRP INC	PTU-V	0.1% / 0.4	(7.1)%	0.0%	(7.1)%	(27.8)%	8.3%	(23.5)%	(55.2)%	62.5
LOBEX MINING ENTERPRISES INC	GMX-T	0.1% / 0.4	5.6%	7.0%	4.1%	(12.6)%	(20.0)%	(30.9)%	(20.8)%	8.69
TI ENERGY	GTR-AU	0.0% / 0.0	(6.3)%	(6.3)%	(6.3)%	(25.0)%	15.4%	(37.5)%	(37.5)%	(21.1
ORUM ENERGY METALS CORP	FMC-V	0.1% / 0.4	0.0%	(8.3)%	(12.0)%	(26.7)%	0.0%	(35.3)%	(78.0)%	(21.4
TANDARD URANIUM LTD	STND-V	3.0% / 14.5	4.8%	4.8%	22.2%	(15.4)%	29.4%	(48.8)%	(69.9)%	(42.1
SSION 3.0 CORP	FUU-V	0.1% / 0.4	(0.0)%	(0.0)%	(0.0)%	(29.2)%	13.3%	(61.4)%	(54.1)%	13.3
	AAZ-V	0.1% / 0.2	11.1%	0.0%	0.0%	(37.5)%	0.0%	(71.4)%	(76.5)%	(20.6
LX RESOURCES CORP	AL-V	0.5% / 2.4	12.5%	12.5%	12.5%	0.0%	28.6%	(50.0)%	(62.5)%	(43.8
	CXU-AU	0.0% / 0.0	(8.3)%	(14.3)04	(8.3)%	10.0%	37.5%	(62.1)%	(60.7)%	(71.1
ARKU RESOURCES LTD ORTHERN URANIUM CORP	TKU-V UNO'H-V	0.1% / 0.2 0.1% / 2.9	0.0% 0.0%	(14.3)% (25.0)%	0.0%	(25.0)%	(25.0)%	(62.5)%	(62.5)%	50.0
TERRA RESOURCES INC	XTT-V	0.1% / 2.9	0.0%	0.0%	(20.0)%	(25.0)% (33.3)%	0.0%	(57.1)% (33.3)%	(62.5)% (60.0)%	(88.6
VRUPA MINERALS LTD	AVU-V	0.1% / 0.2	(20.0)%	0.076	(20.0)%	(33.3/70	(50.0)%	(33.3)%	(60.0)%	(88.6
ITERNATIONAL PROSPECT VENTURES LTD	IZZ-V	0.1% / 1.5	(20.0)%		(10.0)%	(10.0)%	(30.0)%	(71.9)%	(75.0)%	(83.3
ANADIAN ENERGY CORP	VEC-V	0.0% / 0.1			0.0%	(10.0)/0	20.0%	(40.0)%	(13.0)/0	(60.0
RAVAN MINERALS INC	UVN-V	0.10%			5.078		20.070	(.0.0)/0		(36.0
ROS RESOURCES CORP	ERC-V	0.0% / 0.3	0.0%			(7.7)%	(20.0)%			(33.3
NTORY FUNDS		. ,				S 117	A 1 1/17			,
PROTT PHYSICAL URANIUM TRUST	U.UN-T	1.5% / 2.3	4.1%	(0.1)%	(0.8)%	(2.3)%	22.4%	16.2%	18.1%	
ELLOW CAKE PLC	YCA-LN	0.1% / 0.2	(2.3)%	(7.0)%	(4.9)%	(8.9)%	19.3%	13.5%	12.2%	91.1
ALTY COMPANIES										
URANIUM ROYALTY CORP	URC-V	1.6% / 1.8	3.3%	(0.6)%	0.6%	(22.4)%	6.8%	(31.2)%	(46.2)%	178.8

Source: UxC, CapitalIQ, Bloomberg, Haywood

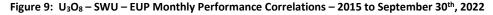


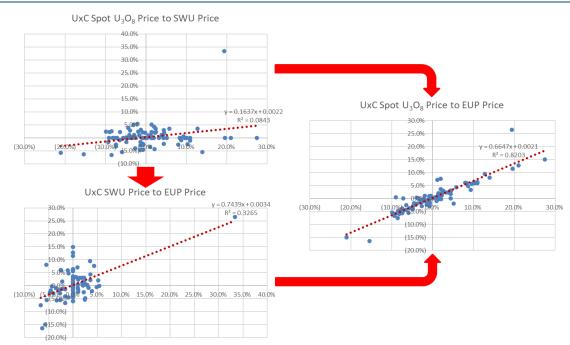
Uranium Fuel Cycle Price Relationships

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 22.8%), and SWU costs have made up an average of 26% of the price of EUP (currently 25.2%) (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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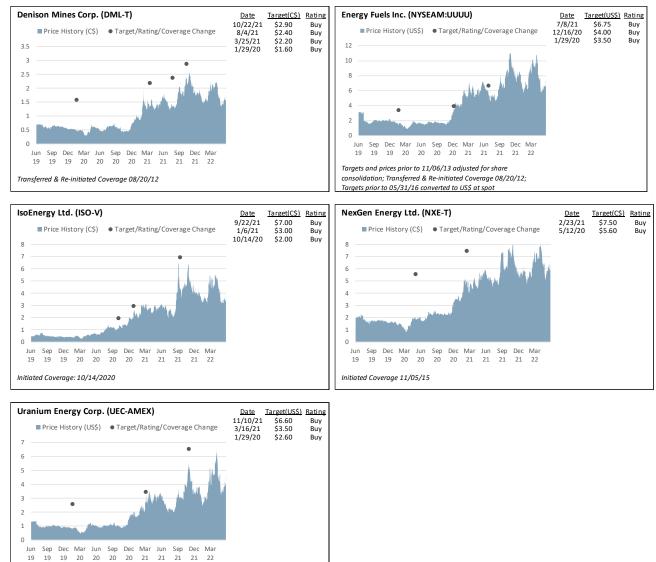
	Ticker	Company 1 2 3 4 5 6 7 8							8	9	
TSX:	DML	Denison Mines Corp. X X X									
TSX:	EFR	Energy Fuels Inc.			Х						
TSX\	/:ISO	IsoEnergy Itd.			Х						
TSX:	NXE	NexGen Energy Ltd.			Х						
บระเ	JEC	Uranium Energy Corp.			Х						
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			IB Clients
	%	#	(TTM)
Buy	76.0%	76	71.4%
Hold	10.0%	10	14.3%
Sell	0.0%	0	0.0%
Tender	1.0%	1	4.8%
UR (Buy)	0.0%	0	0.0%
UR (Hold)	0.0%	0	0.0%
UR (Sell)	0.0%	0	0.0%
Dropped (TTM)	13.0%	13	9.5%



Price Chart, Rating and Target Price History (as of October 13, 2022)



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