

# AMERICA'S EMERGING URANIUM PRODUCER

### **Corporate Presentation – April 2020**



### **Disclaimer**

Statements contained in this presentation which are not historical facts are forward-looking statements that involve risks, uncertainties and other factors that could cause actual results to differ materially from those expressed or implied by such forward-looking statements. Factors that could cause such differences, without limiting the generality of the following, include: risks inherent in exploration activities; volatility and sensitivity to market prices for uranium; volatility and sensitivity to capital market fluctuations; the impact of exploration competition; the ability to raise funds through private or public equity financings; imprecision in resource and reserve estimates; environmental and safety risks including increased regulatory burdens; unexpected geological or hydrological conditions; a possible deterioration in political support for nuclear energy; changes in government regulations and policies, including trade laws and policies; demand for nuclear power; failure to obtain necessary permits and approvals from government authorities; weather and other natural phenomena; and other exploration, development, operating, financial market and regulatory risks. Although Uranium Energy Corp believes that the assumptions inherent in the forward-looking statements are reasonable, undue reliance should not be placed on these statements, which only apply as of the date of this release. Uranium Energy Corp. disclaims any intention or obligation to update or revise any forwardlooking statement, whether as a result of new information, future event or otherwise.'

**Notice to U.S. Investors:** The mineral resources referred to herein have been estimated in accordance with the definition standards on mineral resources of the Canadian Institute of Mining, Metallurgy and Petroleum referred to in NI 43-101 and are not compliant with U.S. Securities and Exchange Commission (the "SEC") Industry Guide 7 guidelines. In addition,

measured mineral resources, indicated mineral resources and inferred mineral resources, while recognized and required by Canadian regulations, are not defined terms under SEC Industry Guide 7 and are normally not permitted to be used in reports and registration statements filed with the SEC. Accordingly, we have not reported them in the United States. Investors are cautioned not to assume that any part or all of the mineral resources in these categories will ever be converted into mineral reserves. These terms have a great amount of uncertainty as to their existence, and great uncertainty as to their economic and legal feasibility. In particular, it should be noted that mineral resources which are not mineral reserves do not have demonstrated economic viability. It cannot be assumed that all or any part of measured mineral resources, indicated mineral resources or inferred mineral resources will ever be upgraded to a higher category. In accordance with Canadian rules, estimates of inferred mineral resources cannot form the basis of feasibility or other economic studies. Investors are cautioned not to assume that any part of the reported measured mineral resources, indicated mineral resources or inferred mineral resources referred to herein are economically or legally mineable.

**Exploration Target Disclosure**: In the Company's subject technical report all tonnages, grade, and contained pounds of uranium should not be construed to reflect a calculated mineral resource (inferred, indicated, or measured). The potential quantities and grades, as stated in the technical report, are conceptual in nature and there has been insufficient work to date to define a NI 43-101 compliant resource. Furthermore, it is uncertain if additional exploration will result in the discovery of an economic mineral resource on the project.





# 100% Un-Hedged Book for Maximum Upside

Align with contrarian long-term capital

# **Grow Permitted Capacity and Production Readiness**

Develop low-cost and scalable ISR operations

# Downturn Presented Acquisition Opportunities

Best time to acquire future exploration & development pipeline



# Diversified Asset Portfolio Low-Cost ISR & Production Ready



#### Infrastructure - Texas

Hobson Processing Plant - Production Capacity of 2Mlbs/year

#### **Texas Hub & Spoke ISR Portfolio**

Project Name	Ctoro	Resources (Mibs)		
Flojectivalile	Stage	M&I	Inferred	
Palangana (Fully Permitte	d) (NT)	1.1	1.2	
Goliad (Fully Permitted)	(NT)	5.5	1.5	
Burke Hollow (Fully Permit	ted) (NT)	-	7.1	
Salvo	(E)	-	2.8	

#### Reno Creek ISR Project (Fully Permitted)

Project Name	Stogo	Resources (Mlbs)		
	Stage	M&I	Inferred	
Reno Creek	(NT)	26	1.49	
	Licensed f	or 2Mlbs/v	ear production	

Uranium

Titanium

Vanadium

#### Stage:

- (E) Exploration
- (D) In Development
- (NT) Near Term Production

Canada - Athabasca Basin					
Drainat Nama	Ctoro	Resources (Mlbs)			
Project Name	Stage	M&I	Inferred		
Diabase	(E)	NA	NA		

Paraguay ISR Uranium Portfolio					
Project Name	Stage	Resour M&I	ces (Mlbs) Inferred		
Yuty	(D)	8.9	2.2		
Oviedo	(E)	23-56			

#### **Paraguay Titanium Business**

Alto Paraná

4.94 Billion Tons Grading 7.41% TiO2 and 23.6% Fe2O3

#### U.S. Hardrock Pipeline (Uranium & Vanadium)

Project Name	Stage	Resources (Mlbs)		
1 Toject Name	Stage	M&I	Inferred	
Anderson	(D)	17.0	12.0	
Workman	(D)	-	5.5	
Slick Rock (U308)	(D)	-	11.6	
Slick Rock (V205)	(D)	-	69.6	

#### **Strategic Equity Interest**

URANIUM

Largest shareholder in Uranium Royalty Corp (Pre-IPO)

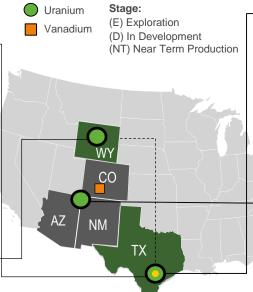
The only pure play uranium royalty and streaming company and major shareholder in Yellow Cake plc

Please refer to a detailed breakdown of NI 43-101 resources and disclaimer in this presentation

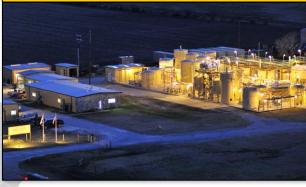


# U.S. Project Portfolio Infrastructure, Resources and Permits









#### **Wyoming Reno Creek ISR Project**

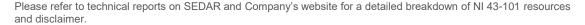


South Texas

ISR Hub & Spoke Production Strategy

**U.S. Conventional Portfolio** 







### **Our Team**



Amir Adnani
President, CEO, Director

An entrepreneur, founding CEO of UEC, founder and Chairman of GoldMining Inc., with extensive experience building natural resource companies.



**Robert Underdown** 

**VP of Production** 

Has held senior operational positions at ISR uranium mines in Texas for over 35 years.



**Spencer Abraham** 

Chairman, Board of Directors

Served as a U.S. Senator from 1995 to 2001, as Secretary of Energy from 2001 to 2005 and previously as non-executive Chairman of Areva's U.S. board.



**Clyde Yancey** 

**VP of Exploration** 

Over 35 years of experience in uranium exploration in North and South America.



**Scott Melbye** 

**Executive Vice President** 

35 years of experience in senior roles with uranium majors, Cameco, Uranium One, and Kazatomprom. Former President of Uranium Producers of America and Chair of the World Nuclear Fuel Market.



**Andy Kurrus** 

**VP of Resource Development** 

Over 30 years experience with uranium exploration in the United States.



### **UEC At a Glance**

#### Member of the Russell 3000® Index

Cash <sup>(1)</sup> Securities <sup>(2)</sup>	\$10.3 M 14 M shares of URC with market value of \$12.2 M					
Share Structure	<b>183.9 M</b> Outstanding	<b>7.7 M 10 M</b> Warrants + Options <sup>(3)</sup>	<b>202.6 M</b> Fully Diluted			
Recent Activity	<b>\$0.56</b> As of March 31, 2020	<b>1,131,154</b> Avg. Daily Vol. (3-mo)				
Market Cap	<b>\$103 M</b> As of March 31, 2020	<b>\$20 M</b> <sup>(4)</sup> Long-Term Debt				
Ton Sharahaldare	UEC Team, J.P. Morgan Glol	bal Natural Resources Fund, Blackro	ock, CEF Holdings, Sprott,			

KCR Fund, Vanguard Group and Global X Management, Geiger Counter

**Top Shareholders** 

<b>ANALYST</b>	David Talbot, Eight Capital	Mike Kozak, Cantor Fitzgerald	Joseph Reagor,
COVERAGE	Heiko Ihle, H.C. Wainwright & Co.	Colin Healey, Haywood Securities Inc.	ROTH Capital Partners

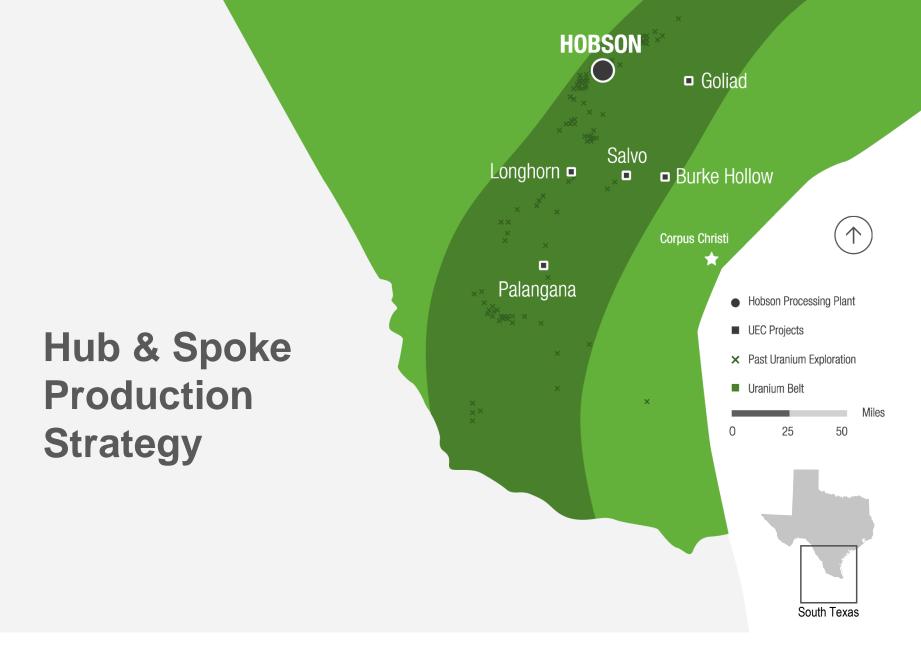


<sup>(1)</sup> As of the Company's filing for the period ended January 31, 2020

<sup>(2)</sup> Uranium Royalty Corp (URC: TSX-V) having a trading price of CAD\$1.15 at closing on January 31, 2020. These shares are subject to escrow and resale restrictions as set forth in URC's final prospectus filing

<sup>(3) \$28</sup> M cash to be received should all warrants and options be exercised

<sup>(4)</sup> No principal repayments until maturity on January 31, 2022





Hobson is fully licensed and permitted.





The Processing Plant has a 2Mlbs / year physical capacity



# Palangana ISR Mine First Producing Mine **Proof of Concept**

\$10M 6 months construction timeline **Initial CAPEX** 

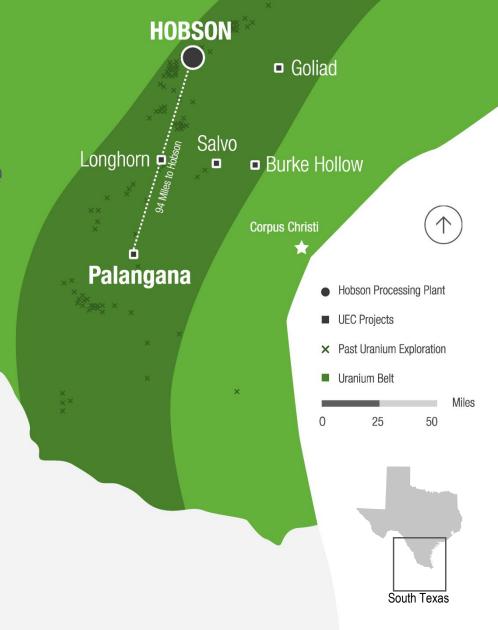
- · Low cash-cost of \$21.77/lb during operation
- Fully permitted including expanded mine permit
- Received 10-year renewal permits in 2019

**Similar Costs** for Future **Projects** 

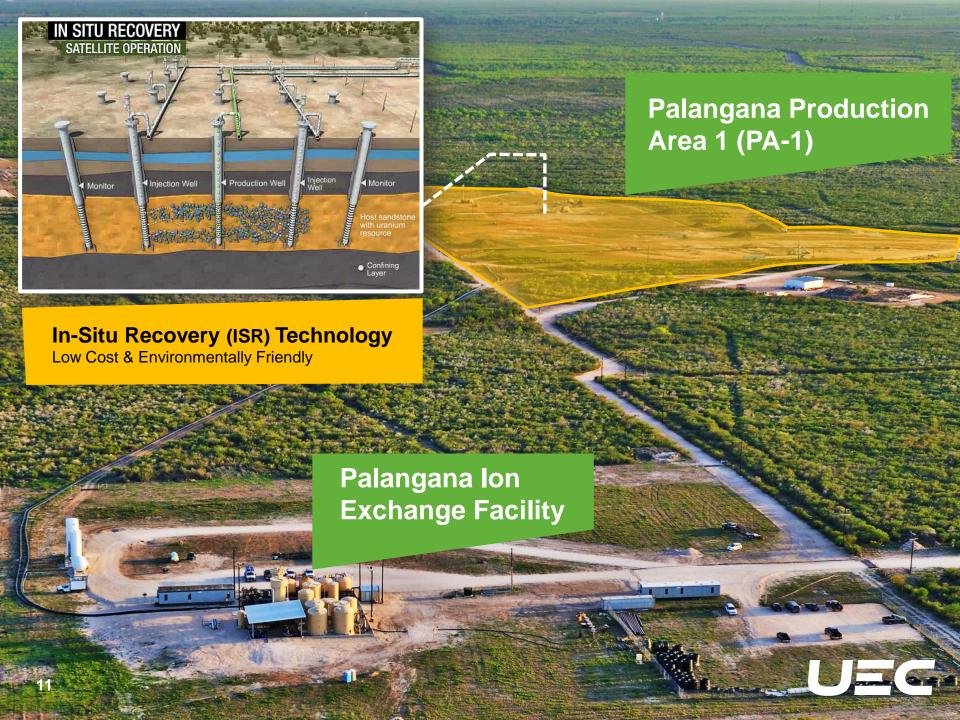
**Production** 

Ready

• The major permits for production have been issued for Goliad and Burke Hollow







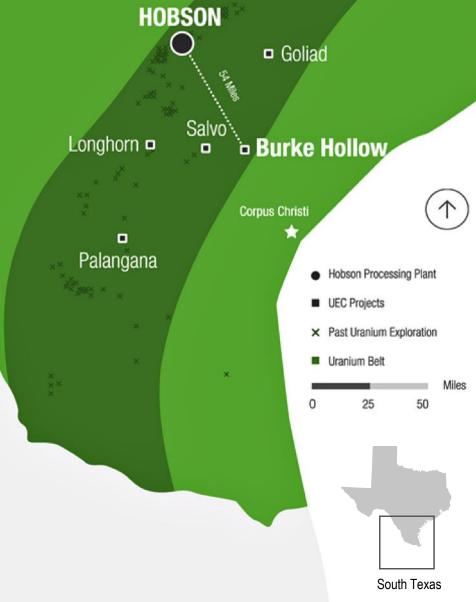


# **Resin Hauling Truck And Trailer**



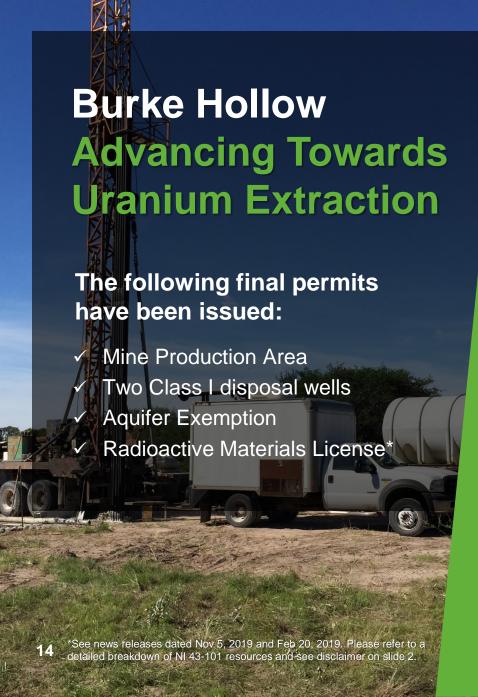
# Burke Hollow ISR Project Growth Ahead

- Discovery of six trends since 2012
- 7.09Mlbs in 4.06Mt grading 0.088% U3O8
- Leach amenability testing indicates recovery greater than 90%
- ~20,000 acres located ~50 miles from Hobson Processing Plant.
- 50% of the property unexplored



<sup>\*</sup>See news release dated Nov 5, 2019 and refer to a detailed breakdown of NI 43-101 resources and disclaimer on slide 2.





# 2019 Drilling Discovers Additional Mineralization in Production Area 1

- √ 72 monitor wells installed
- ✓ Enlarged the Production Area 1 (PA-1) zone

**Next Step:** Complete the expanded PA-1 delineation drilling and monitor well installation in 2020.



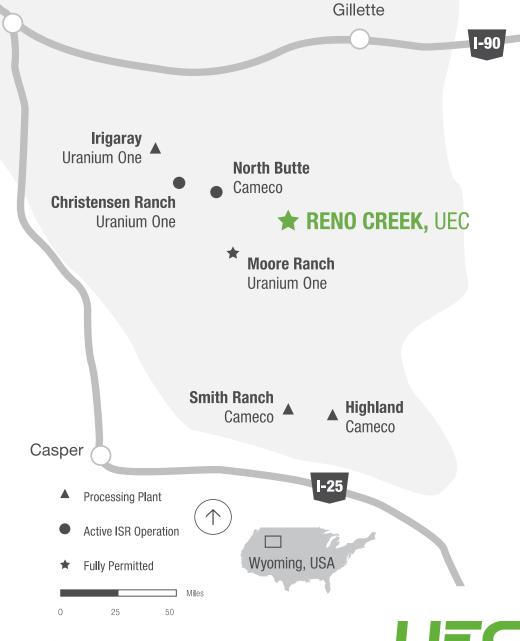
# Reno Creek ISR Project

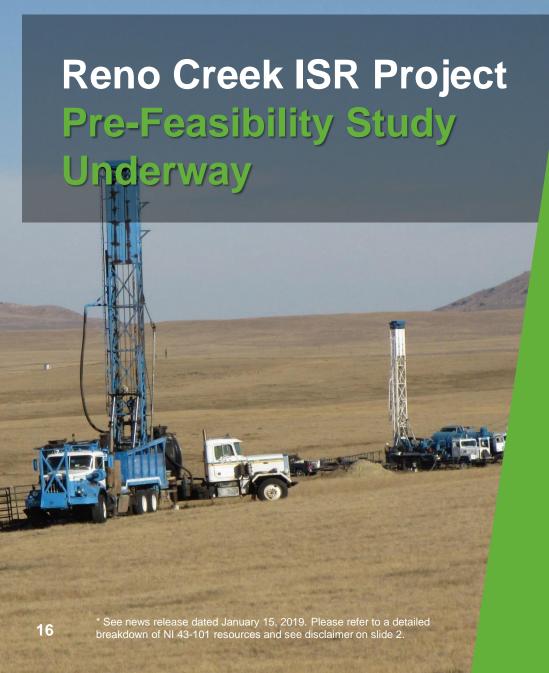
The largest permitted, pre-construction ISR uranium project in the U.S.

Buffalo

Strategic Location within the Heart of the Powder River Basin, Wyoming

Received a modified Permit to Construct in 2019, allowing a move forward with construction of ISR wellfields





M&I Resource 26Mlbs of U3O8 grading 0.041% within 32Mt\*

Inferred Resource 1.49Mlbs of U3O8 grading 0.039% within 1.92Mt\*

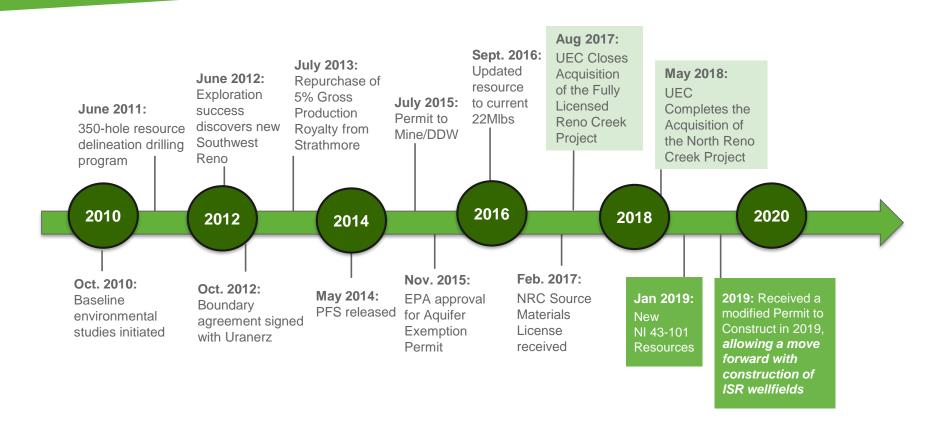
First time since 1980 that the major mineralized trends have been consolidated

Considerable ISR exploration and expansion potential

Production permits in place



# Reno Creek: Project Timeline

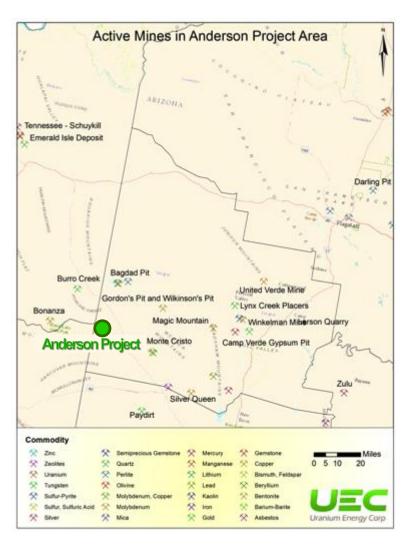




<sup>\*</sup> See news release dated January 15, 2019. Please refer to a detailed breakdown of NI 43-101 resources and see disclaimer on slide 2.

### **Anderson Project - Arizona**

#### NI 43-101 compliant resource\*: Indicated Resource: 29.5Mt, 17Mlbs avg. grade of A Large U.S. 0.029% Resource Inferred Resource: 14.3Mt, 12Mlbs with avg. grade of 0.046% 9,852 Acres Project located ~75 miles northwest of Phoenix, AZ Between 1955-1958 with ~\$40M spent by previous **History** operators, including Urangesellschaft Extensive Feasibility studies, milling studies, and hydrological reports previously completed by third parties Work

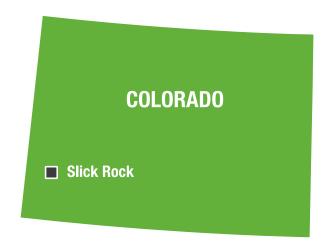




<sup>\*</sup>NI 43-101 Technical Report completed and available on SEDAR and see disclaimer on slide 2.

### Slick Rock Project - Colorado

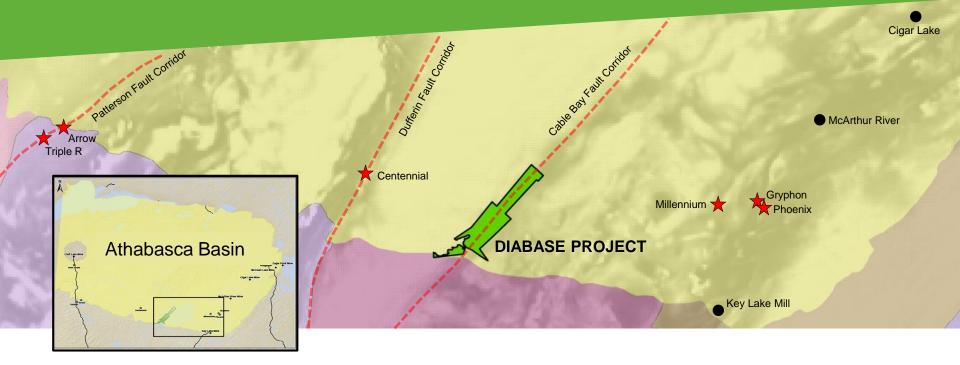
#### NI 43-101 Compliant Resource\*: • Inferred Resource: 2.5Mt, 11.6Mlbs avg. **Technical** grade of 0.228% Report • Inferred Resource: 2.5Mt, 69.6Mlbs vanadium with avg. grade of 1.37% Low \$21M initial CAPEX with an annual production CAPEX of 438,000 pounds U3O8 + vanadium inferred Vanadium Resource of 2.549Mt grading 1.37% V2O5 and containing 69.6Mlbs Resource Nearby Projected sale of mined product to the White Mesa mill in nearby Blanding, UT Infrastructure



\*NI 43-101 Technical Report completed and available on SEDAR and see the Company's disclaimer



### Diabase Project - Saskatchewan, Canada



- Athabasca Basin Premier District
- Over \$20 million in Historical Exploration Work
- Over 21,000 meters of Diamond Drilling to date
- UEC Acquisition Cost at \$500K resulting in 0.1% Dilution to UEC Shareholders
- Diabase Project covers large land package of 21,949 hectares
- Within 75 km of Key Lake Mill



## **ISR District Opportunity in Paraguay**

Similar geology as South Texas and leveraging ~\$50M of historic exploration work by Anschutz and Cameco, including new work completed by UEC.

Project	Historic Operator	Stage	Resource (M lbs)
Yuty	Cue Resources / Cameco	Exploration / Development	8.9Mlbs in 7.8Mt grading 0.052% U3O8 M&I and 2.2Mlbs in 2.1Mt grading 0.047% U3O8 Inferred*

Project	Historic Operator	Stage	Exploration Target (M lbs)
Oviedo	Anschutz Corp	Exploration	23 - 56Mlbs in 28.9 - 53.8Mt grading 0.04% to 0.052% U3O8*





<sup>\*</sup>NI 43-101 Technical Report completed and available on SEDAR and see Company's disclaimer

## Alto Paraná Titanium Project

#### **Project Overview**

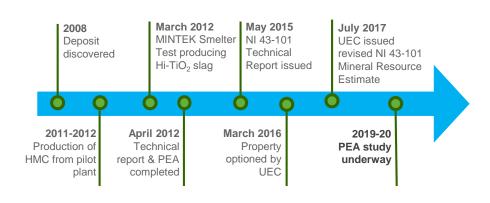
- One of the highest-grade and largest-known Ferro-Titanium deposits in the world
- NI 43-101 compliant resource with a mineral exploration claim of 70,498 hectares
- PEA study initiated in 2019 with 500 m drill campaign scheduled to complete February 2020
- Follow-up activities include laboratory analyses and new resource estimation



Cut-Off	% TiO <sub>2</sub>	% Fe <sub>2</sub> O <sub>3</sub>	% Ilmenite calc	Tonnes Billions	Thickness (m)
6.0	7.41	23.58	13.95	4.94	6.61

\*NI 43-101 Technical Report completed and available on SEDAR and see disclaimer on slide 2

#### **Project History**



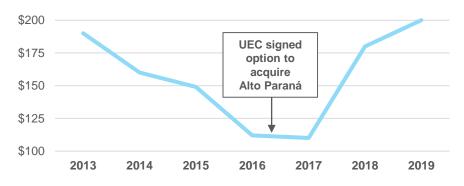


# Titanium Feedstock Market – TiO2 prices hitting 3-year highs

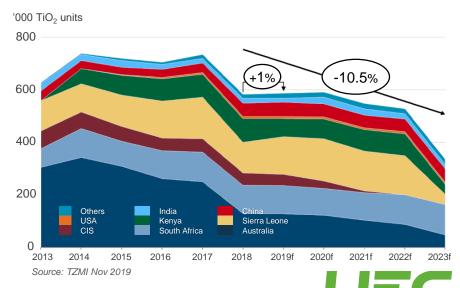
- 90% of TiO2 feedstocks (ilmenite) used for pigment manufacturing
- Strong price recovery for ilmenite since 2017, with positive outlook, driven by:
  - Strong pigment demand & balanced inventory levels
  - Environmental and yield advantages of high-grade feedstock
  - High-grade feedstock supply deficit

Good fit for Alto Parana – capable of producing high-grade TiO2 feedstock for both sulfate or chloride slag production

#### Price of TiO2 Feedstock - ilmenite (USD per tonne)



#### Significant Supply Deficit - High Grade TiO2 Feedstocks



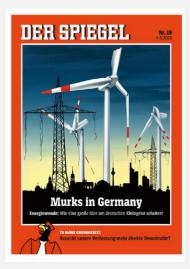




# Germany's "Energiewende" "Failed Energy Policy"

### 160 Billion Euro Investment in "Green Energy" has resulted in:

- Zero Progress in Reducing Carbon Emissions
- Expensive Electricity 50% higher than Nuclear France
- Reduced Reserve MarginsReliability Issues
- Reliance on dirty lignite
   Coal and Russian Gas
- Competitive disadvantage for German Industry
- Loss of confidence in German Government



#### Translation "A botched job in Germany"

# France Gets 72% of its Electricity from Nuclear Power

#### THEY ENJOY:

- ✓ Per kW carbon emissions 1/10 that of Germany
- ✓ Electricity rates 1/2 that of Germany
- Clean air with abundant and affordable energy

Policies to reduce nuclear reliance overturned. Smart move in light of "Yellow Vest" outrage on gas tax.





# Robust Nuclear Power Growth 47 Reactors Connected in 7 Years; 54 Units Under Construction

**CHINA** to triple nuclear power capacity by 2030

INDIA plans for 21 new nuclear reactors by 2031

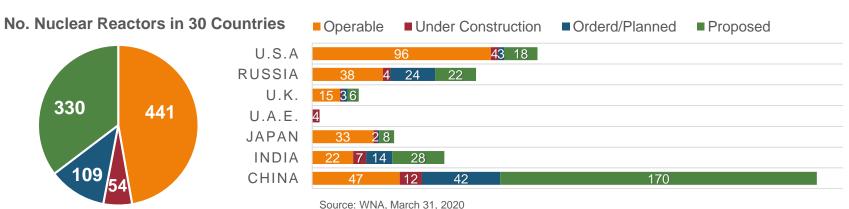
**RUSSIA** is building 22 reactors in China, India, Turkey, Bangladesh, Egypt, Iran, Finland, Belarus, and Hungary

**U.S.** is completing two new AP-1000 reactors in Georgia

**U.A.E.** completing construction on 4 units

**U.K.** upgrading nuclear fleet to new advanced reactors

**JAPAN** recovery: 20-22% from nuclear power by 2030 – about 30 reactors. Of its 33 operable reactors, 9 reactors have restarted; 6 have been approved for restart and 10 more have applied for a restart.





# SMR's and Advanced Reactors An Important Emerging Market

- SMR global market: 65-85 GWe
   by 2035 small scalable reactors:
  - Size: 5 up to 300 MWe
  - Simpler design lower capital and operating cost
  - Cost competitive with natural gas
- Western U.S. utilities planning for 12 of the NuScale Power SMRs to be in commercial operation by 2025







# Reactor Demand Significantly Exceeds Primary Production

### Spot Prices Below Production Costs and Hedges Falling Off

2020 Demand Expected at 182Mlbs

2020 Primary Production Expected at 142Mlbs

2020 + 2021 Primary Production is **85Mlbs Below Requirements** 

#### **Cumulative Gap is 510Mlbs by 2030**

Supply/demand numbers will be impacted as a result of the COVID-19 pandemic.

As of April 1, mine shutdowns included Cigar Lake, Rossing and Husab, that will reduce supply by ~3Mlbs/mo. The impact to reactor demand is not yet clear.







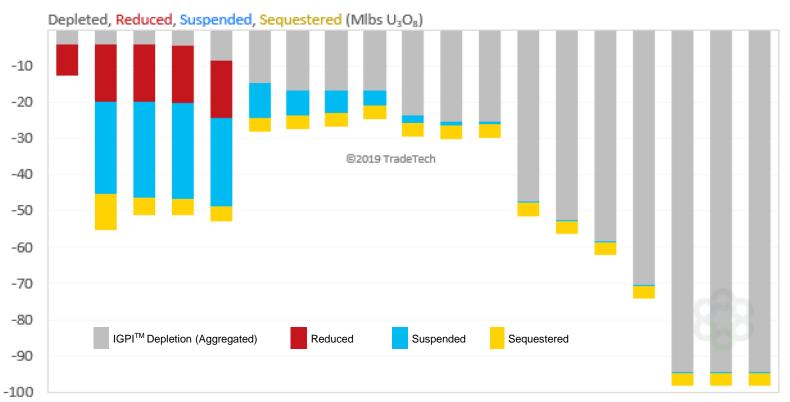




### Supply Cuts, Exhaustion, Reduction, Suspension

Mine Cutbacks, Depletion, Speculative Interest Accelerating Market Rebalancing

#### **Aggregate Impact of Restricted Primary Supply**



2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035

Source: TradeTech August 2019

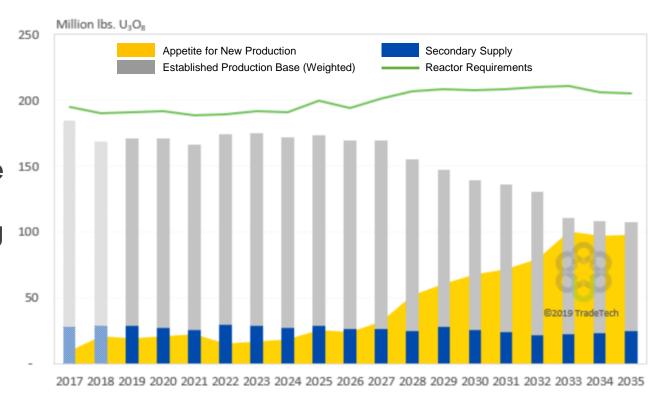


### **Need for New Production – Beyond Existing Mines**

#### **Trade Tech's "Market Appetite" for New Production**

# Inventory Overhang Drawing Down

Uranium Price
Too Low to Stimulate
New Production
Within the Permitting
and Development
Lead Times to Bring
On New Mines



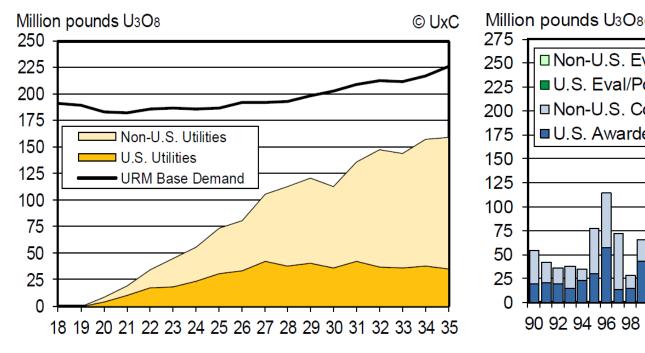
All assumptions are consistent with TradeTech's latest proprietary assumptions, August 2019 (i.e. Q2 2019);
Established Production Base shown is weighted to assimilate the challenge of existing operations remaining at full capacity over Life-of-Mine.

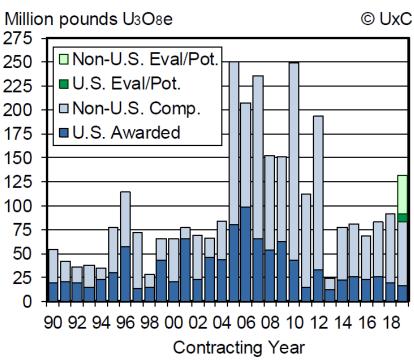


# **Utility Procurement Cycle: Old Contracts Rolling Off...New Contracts Need to be Signed**

#### **Utility Uncommitted Demand**

#### **Historic Long Term Contracting**

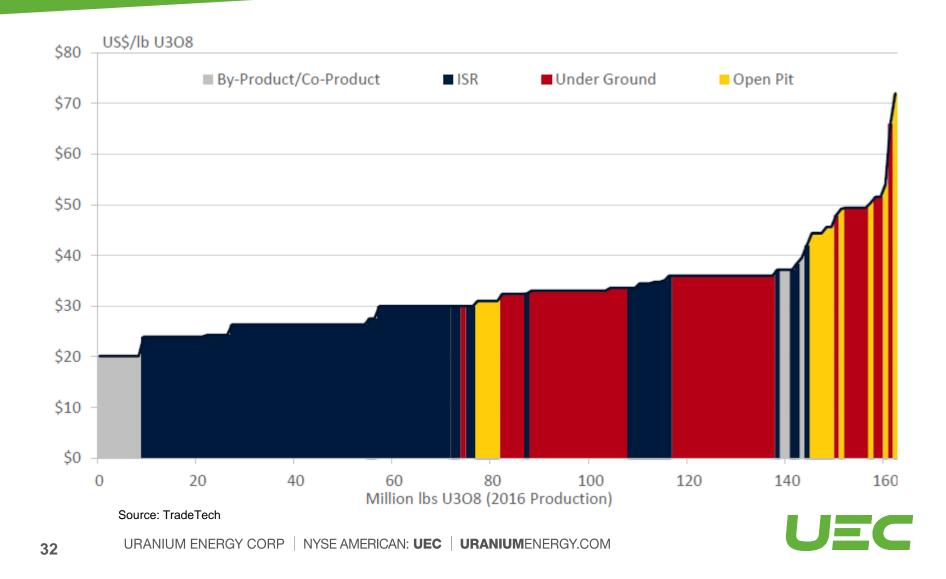




Source: UxC Market Outlook Q4 2019

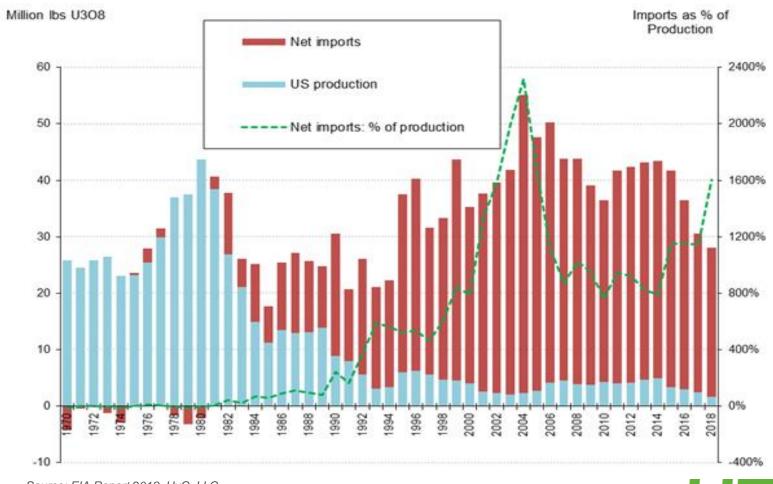


### Global Cost Curve – Most U.S. Production is ISR



# Overdependence on Foreign Supplies

#### U.S. Uranium Imports vs. Production: 1970-2018



Source: EIA Report 2018, UxC, LLC

# President Trump's FY 2021 Budget Includes 10-year, \$1.5 Billion U.S. Uranium Reserve Program

Energy Secretary Dan Brouillette: "What you've seen in the President's budget is a request for \$150 million to begin the process of purchasing uranium. But it won't stop there."

**U.S.** mines are essential shut down – zero production. Over 40% of Imports From Russia/ Kazakhstan/ Uzbekistan

U.S. Defense needs require 100% U.S. Origin Uranium









In the DOC 232 Process President Trump determined that a Strong Domestic Nuclear Fuel Cycle is in the Nation's National Security Interests

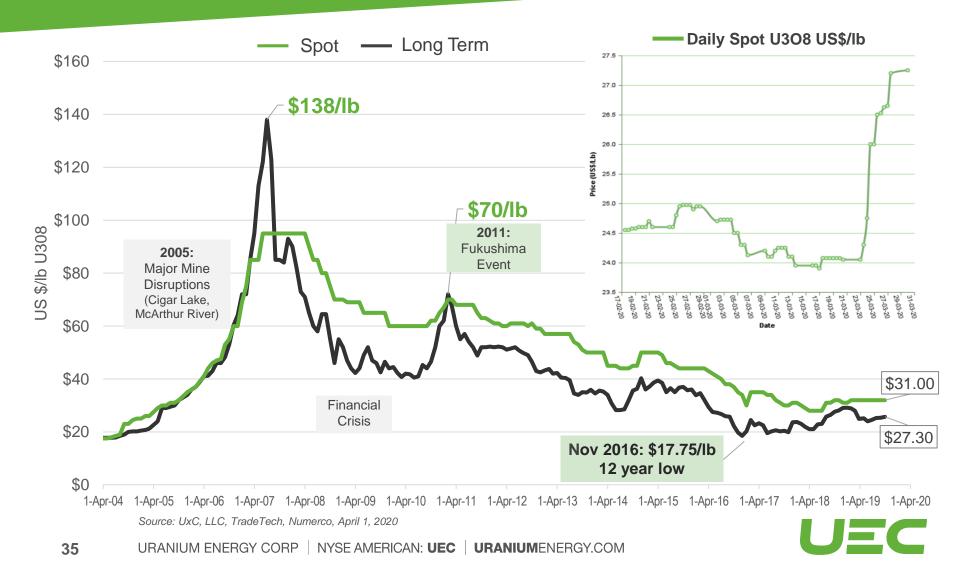
Nuclear Fuel Working Group (NFWG) established to provide recommendations for reviving and expanding domestic nuclear fuel production

NFWG Recommendations Report to Revitalize Industry is <u>Due Soon</u>





# Uranium Price History (\$27.30/ lb today – up 54% from November 2016 low)



### **Bottom Line - Positive Market Outlook**

- ✓ **Demand Growth** 47 reactors added to grid in past 7 years. Global nuclear energy generation has recovered to pre-Fukushima levels.
- ✓ Underinvestment and Supply Cutbacks Kazakhs, Cameco, Orano, and others, resulting in significant primary supply deficit.
- ✓ Lead Time to Advance Large New Mines can be 7 to 10 years (or longer), approx. \$60/lb + incentive price
- Accelerated Market Re-Balancing Growing primary production shortfall will impact market
- ✓ Utility Procurement Cycle Looming "New" fundamentals have not been tested
- ✓ Speculative Interest in Physical Throwing "gasoline on the fire"
- ✓ Upward Volatility in Uranium Price is Inevitable despite pullbacks
- ✓ **U.S. production in 2019/2020 expected to be < 1% of U.S. reactor needs** care and maintenance status. President's Working Group to develop recommendations for reviving and expanding domestic nuclear fuel production due soon.



# **Investment Summary**

- 100% unhedged.
- Pipeline of low-cost ISR projects potential production profile of 4Mlbs/year in Texas and Wyoming.
- Fully permitted and state of the art Infrastructure advantage with Hobson Processing Plant.
- 2019/2020: Advancing production-readiness at Reno Creek and Burke Hollow ISR projects.
- Market Fundamentals continue to improve with a growing deficit between primary production and reactor requirements



### **Combined Resource Summary**<sup>(1)</sup>



Projects		Measured & Ind	icated		Inferred	
Hub & Spoke ISR Portfolio Texas ISR	Tons ('000)	Grade (% U <sub>3</sub> O <sub>8</sub> )	Lbs U <sub>3</sub> O <sub>8</sub> ('000)	Tons ('000)	Grade (% U <sub>3</sub> O <sub>8</sub> )	Lbs U <sub>3</sub> O <sub>8</sub> ('000)
Palangana	393	0.14	1,057	328	0.18	1,154
Burke Hollow	-	-	-	4,064	0.088	7,093
Goliad	3,790	0.05	5,475	1,547	0.05	1,501
Salvo	-	-	-	1,200	0.08	2,839
Longhorn			Developmenta	I with historical resources	3	
Texas ISR Total	4,183	0.095	6,532	7,139	0.10	12,587
Wyoming ISR						
Reno Creek	32,000	0.041	26,000	1,920	0.039	1,490
Wyoming ISR Total	32,000	0.041	26,000	1,920	0.045	1,490
U.S. Conventional Portfolio	<b>Tons</b> ('000)	Grade (% U <sub>3</sub> O <sub>8</sub> )	Lbs U <sub>3</sub> O <sub>8</sub> ('000)	<b>Tons</b> ('000)	Grade (% U <sub>3</sub> O <sub>8</sub> )	Lbs U <sub>3</sub> O <sub>8</sub> ('000)
Anderson, AZ	29,532	0.03*	17,000	14,295	0.04*	12,000
Workman Creek, AZ	-	-	-	3,222	0.09	5,542
Slick Rock, CO	-	-	-	2,549	0.228	11,600
Los Cutaros, AZ			Developmenta	I with historical resources	3	
C de Baca, NM		Developmental with historical resources				
Dalton Pass, NM			· · · · · · · · · · · · · · · · · · ·	I with historical resources		
Long Park, CO			Developmenta	l with historical resources	3	1
U.S. Conventional Total	29,532	0.03*	17,000	20,066	0.12	29,142
Canadian Conventional Portfolio						
Diabase, SK			Developmental	with historical resourc	es	
Paraguay ISR						
Yuty	8,621	0.05*	8,914	2,353	0.05	2,226
Coronel Oviedo			Developmenta	l with historical resources	3	
Paraguay ISR Total	8,621	0.05*	8,914	2,353	0.05	2,226
Company Total	<b>58,446</b> ('000 lbs. U3O8)			45	<b>,445</b> ('000 lbs. U:	308)

<sup>(1)</sup> Cautionary Note to US Investors. The Company is without known mineral reserves under SEC Industry Guide 7. Measured, Indicated and Inferred Resources are estimated in accordance with NI 43-101 and do not constitute SEC Industry Guide 7 compliant reserves. (\*) Weighted averages



#### **URANIUM ENERGY CORP**

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