

# UEC

Uranium Energy Corp

NORTH AMERICA'S NEWEST URANIUM PRODUCER

[www.uraniumenergy.com](http://www.uraniumenergy.com)



NYSE-AMEX: UEC Frankfurt: U6Z

**UEC's Hobson  
Processing Facility**  
-South Texas



## ***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 forward-looking statement, whether as a result of new information, future event or otherwise.



Palangana ISR satellite uranium project



Hobson ISR processing plant

## NORTH AMERICA'S NEWEST URANIUM PRODUCER



Resin hauling truck and trailer at Hobson



Zero emission vacuum dryer at Hobson



## ***PRESENTATION OUTLINE***

- ❖ **Uranium Energy Corp Overview**
- ❖ Uranium Supply and Demand
- ❖ In-Situ Recovery (ISR) Mining
- ❖ Feature Projects – South Texas
- ❖ Final Thoughts

## ***MISSION STATEMENT:***

EXPAND PRODUCTION OF URANIUM  
USING LOW COST IN-SITU RECOVERY(ISR)  
WHILE DEVELOPING A PIPELINE OF ADDITIONAL  
SIGNIFICANT URANIUM RESOURCES FOR  
ONGOING MAJOR GROWTH.



### UEC AT A GLANCE

#### Share Capital & Cash Position

Cash & Equivalents (Jan 2011)	\$35 M
Total Cash Potential	\$45 M
Cash Potential from Warrants	\$30 M
Cash Potential from Options	\$15 M
Debt	\$0 M

Shares Outstanding	70 M
Shares Fully Diluted	87 M
Market Cap (as of Jan 19)	377 M



*Warrants:	Expiring
4,549,917 warrants @ 3.10	Jun 2011
4,055,659 warrants @ \$3.95	Oct 2011

#### Russell 2000/3000 Index Member

Recent Closing Price (01/19)	\$5.39
52-Week Range	\$2.11 - \$7.48
Average daily volume (3-mo)	~ 1.4 mm

#### Research Coverage

- CIBC World Markets
- Dundee Securities
- Haywood Securities
- RBC Capital Markets
- Rodman & Renshaw

#### Major Shareholders

##### Management

##### Major Shareholders

- Blackrock
- Oppenheimer Funds Inc.
- CIBC Global Asset
- CQS Geiger Fund
- Northern Trust Co.
- State Street Global

#### Total

22%

30%

## ***INVESTMENT SUMMARY***

### **PROOF OF CONCEPT**

- ❖ Operating the first new in-situ recovery (ISR) uranium mine in the U.S. in five years
  - ❖ Last two major ISR projects in Texas put into production by UEC team

### **BUSINESS PLAN FOCUSED ON GROWTH**

- ❖ Regional strategy in South Texas with central ISR processing plant and four ISR projects
- ❖ ISR projects require lower capital and operating cost requirements than conventional uranium mining
  - ❖ Concurrent drilling programs to expand 12 mm lb/U308 resource base in South Texas
- ❖ Controls another 23 projects in the other uranium states for a total with 26 mm lbs/U308

### **STRONG COMPANY FUNDAMENTALS**

- ❖ UEC is ideally positioned with \$35mm cash, no debt, 70mm shares outstanding and 100% un-hedged production
  - ❖ UEC is attractively priced relative to peers

### U.S. URANIUM PROJECTS



Project / Historic Operator	Stage	Resource MM lbs
<b>P</b> Hobson Processing Plant / Uranium One		
Palangana / Union Carbide	(P)	2.2 <sup>(1)</sup>
Goliad / Moore Energy	(NT)	6.9 <sup>(1)</sup>
Nichols / Texaco Corp	(NT)	1.3 <sup>(1)</sup>
Salvo/ Mobil Oil	(E)	1.5
<b>Total Texas Resources</b>		<b>~12MM Lbs</b>
West Ranch / Kerr McGee	(E)	2.6
Los Cuatros / Teck Corp	(E)	12.0
Colorado Plateau / UraVan Minerals	(E)	3.3
Artillery Peak / Oklahoma Public Services	(E)	2.0
Burnt Wagon / Kirkwood Oil	(E)	0.5
Grants Ridge / Homestake / Anaconda Mining	(D)	0.24
Carnotite / UraVan Minerals	(E)	2.6
<b>Total Resources</b>		<b>35.14+ MM Lbs</b>

Note: The resources stated are historical in nature. Recent independent verification of the data has not yet been performed. The Company has not completed sufficient exploration to verify the historical resource estimates.

(1) 43-101 Technical Reports completed and available on SEDAR

(E) Exploration (D) In Development (NT) Near Term Production (P) Producing

## **UEC's EXPLORATION DATABASES DRIVES RESOURCE EXPANSION**

UEC has been able to target properties for acquisition that have already been the subject of significant exploration and development by senior energy companies in the past.

<b>JURISDICTION</b>	<b>PROVIDER</b>	<b>YEARS OF DATA</b>	<b>DRILL HOLES</b>
US, Canada, Australia	Kerr-McGee	40	Maps, Geologic reports, Engineering feasibility analyses
Texas	Continental Oil (now Conoco Phillips)	10	250
Texas	Mobil Oil (now ExxonMobil)	20	1,000
Texas	Moore Energy	20	1,000
Texas	Knupke	40	500
Texas	Nueces Mineral Co	10	370
Wyoming	Robert Odell (Rocky Mountain Uranium Scout)	50	500
Wyoming	NAMMCO (William Kirkwood)	15	500
Wyoming	Jebsen	20	130
Arizona	Oklahoma Public Services	10	200
15 States	Brenniman	9	7,200
5 States	Halterman		500
3 States	Jebsen II	20	500

## OFFICERS AND DIRECTORS

- ❖ **Amir Adnani - President, Chief Executive Officer, Director**
  - An entrepreneur and founding CEO of UEC, extensive experience in financing natural resource companies
  - Founder of Blender Media Inc, a financial marketing firm that was named a fastest growing company in Canada
- ❖ **Harry L. Anthony – Chief Operating Officer, Director**
  - Internationally recognized expert in the field of ISR uranium mining.
- ❖ **Mark Katsumata– Chief Financial Officer**
  - 15 years experience as CFO and VP- Finance for mining companies, previous Chief Financial Officer of Denison Mines (NYSE listed uranium mining company), VP of Finance of numerous TSX companies
- ❖ **Bruce J. Nicholson - VP Finance**
  - Over 15 years experience as a metals and mining securities analyst for Bank of New York, BNP Paribas, and Citigroup
  - Previous Chairman of the New York Section of the Society for Mining Exploration (SME)
- ❖ **Alan Lindsay – Chairman**
  - Over 30 years of experience in executive management
  - Successful founder of public companies in mining and biotech sectors
- ❖ **Erik Essiger – Director**
  - Over 18 years of international business experience, former manager at PWC in Germany
- ❖ **Ivan Obolensky – Director**
  - 40 years experience in the investment banking business in New York as a research analyst
- ❖ **Vincent Della Volpe – Director**
  - 38 year career as a portfolio manager, with several billions of dollars under management
- ❖ **David Kong - Director**
  - Decades of auditor experience and recently served as a partner of Ernst & Young LLP from 2005 to 2010.

### TECHNICAL & ADVISORY TEAM



**Harry Anthony**  
Chief Operating Officer

World-renowned ISR expert with 30 yrs experience



**Robert Underdown**  
Vice President of Production

Has held senior operational positions at ISR uranium mines in Texas since 1978



**Andrew Kurrus**  
Exploration Manager Texas

30 years experience exploring for uranium in the US



**Ed Brezinski**  
Vice President of Corporate Development

25 years experience with utility companies and nuclear fuel traders



**Bill McKnight**  
Production Geology Manager

35 years experience in all aspects of uranium extraction operations



**Curtis Sealy**  
Vice President of Health, Safety and the Environment

40 years experience designing and constructing mines internationally



**Clyde Yancey**  
Vice President of Exploration

35 years experience exploring for uranium in Texas and Wyoming



**Dr. Aiguo Bian**  
Mine Development Geologist

Formerly a professor in the Department of Physics and Geosciences at the Texas A&M University



**Rick Edge**  
Geologist

Explorationist with 15 years experience throughout the Rocky Mountain Region



**Greg Kroll**  
Hobson Superintendent

25 years experience in wellfield operations and uranium processing in the US



**Leonard Garcia**  
Land Leasing Specialist

30 years experience in title research, lease negotiation and land acquisition



**Bob Gaston**  
Land Leasing Specialist

South Texas Landman for 34 years – concentrating on Uranium for the last 5 years.

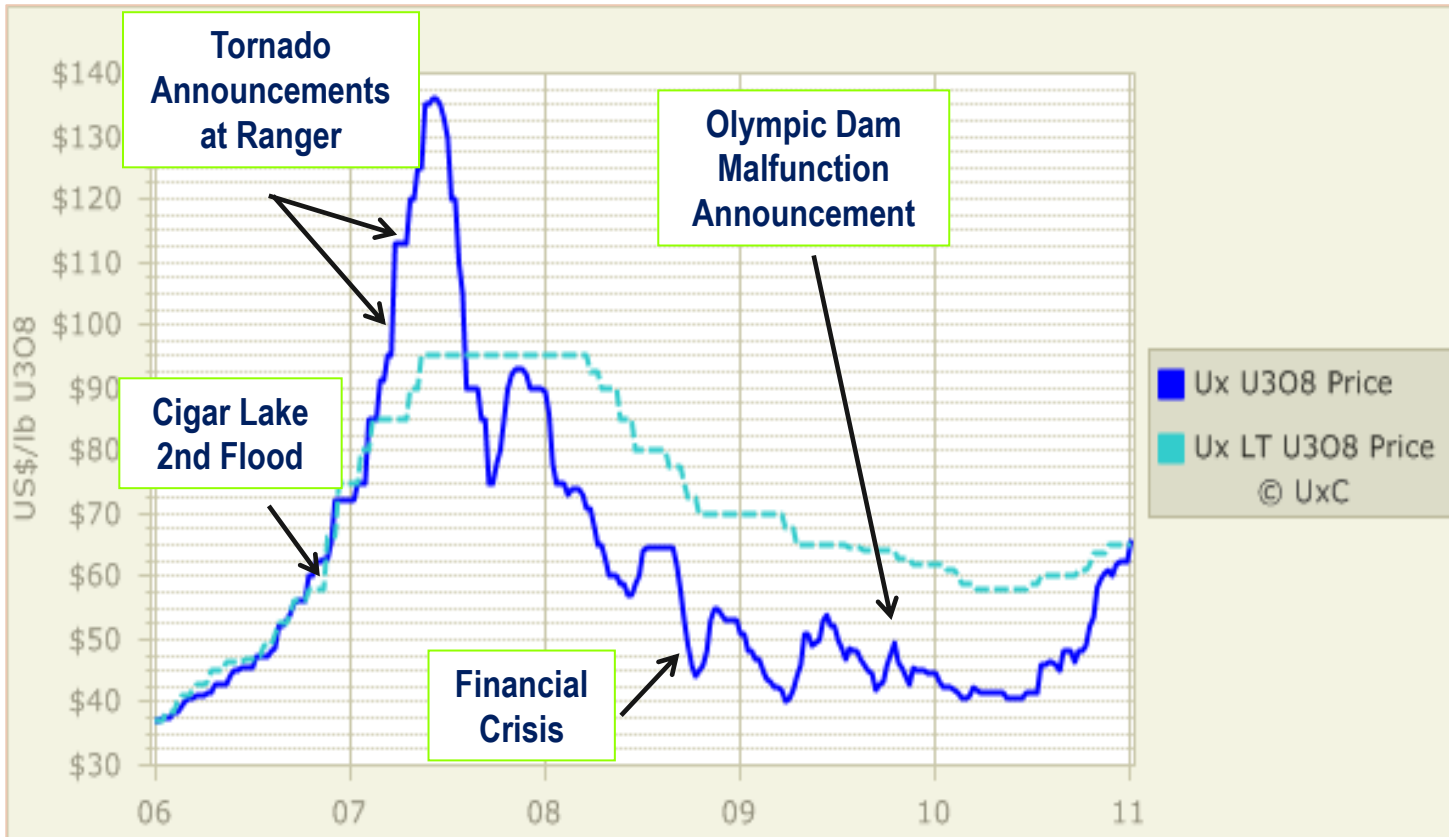


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## URANIUM PRICE HISTORY

- Uranium Spot Price as of January 17: \$68.00/lb
- Uranium Term Price: \$65.00/lb

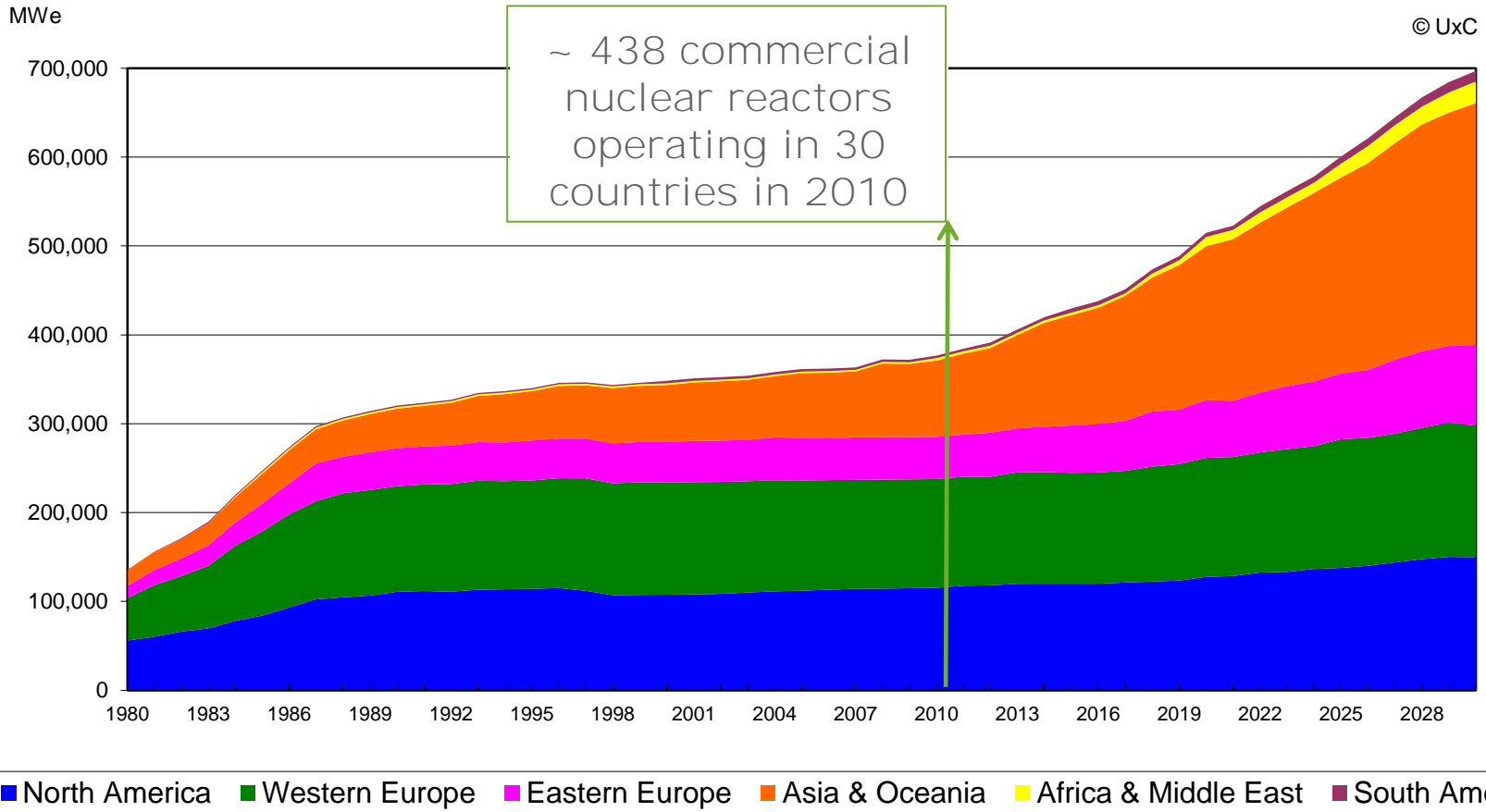


**PRICE INCREASES  
DRIVEN PRIMARILY  
BY RENEWED FOCUS  
ON NUCLEAR POWER  
AND PRODUCTION  
ISSUES AT MAJOR  
FACILITIES**

**=**

**SUPPLY / DEMAND  
IMBALANCE**

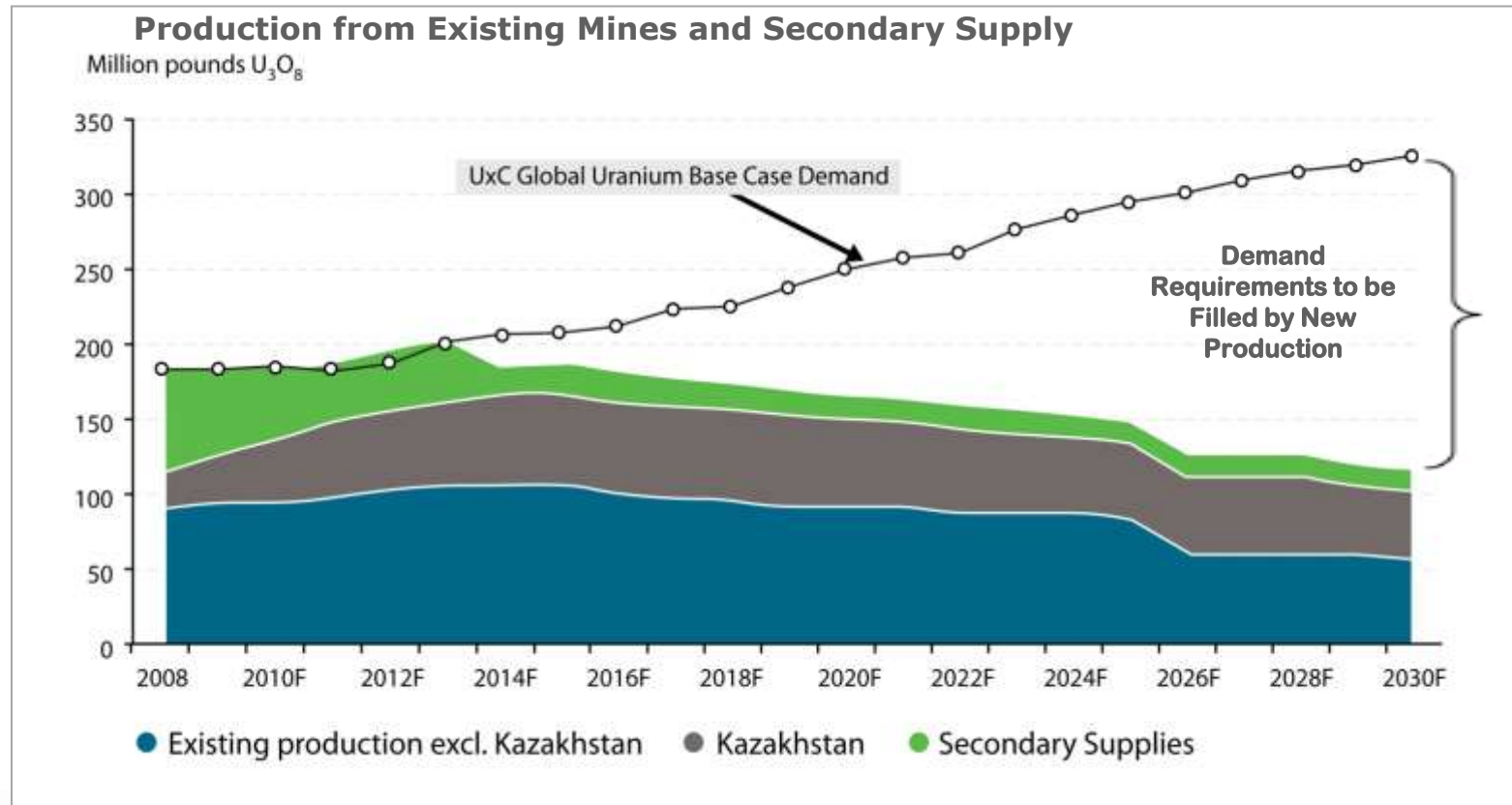
## NUCLEAR CAPACITY FORECAST BY REGION, 1980-2030



**UxC Base Case Nuclear Capacity Forecast by Region, 1980-2030**

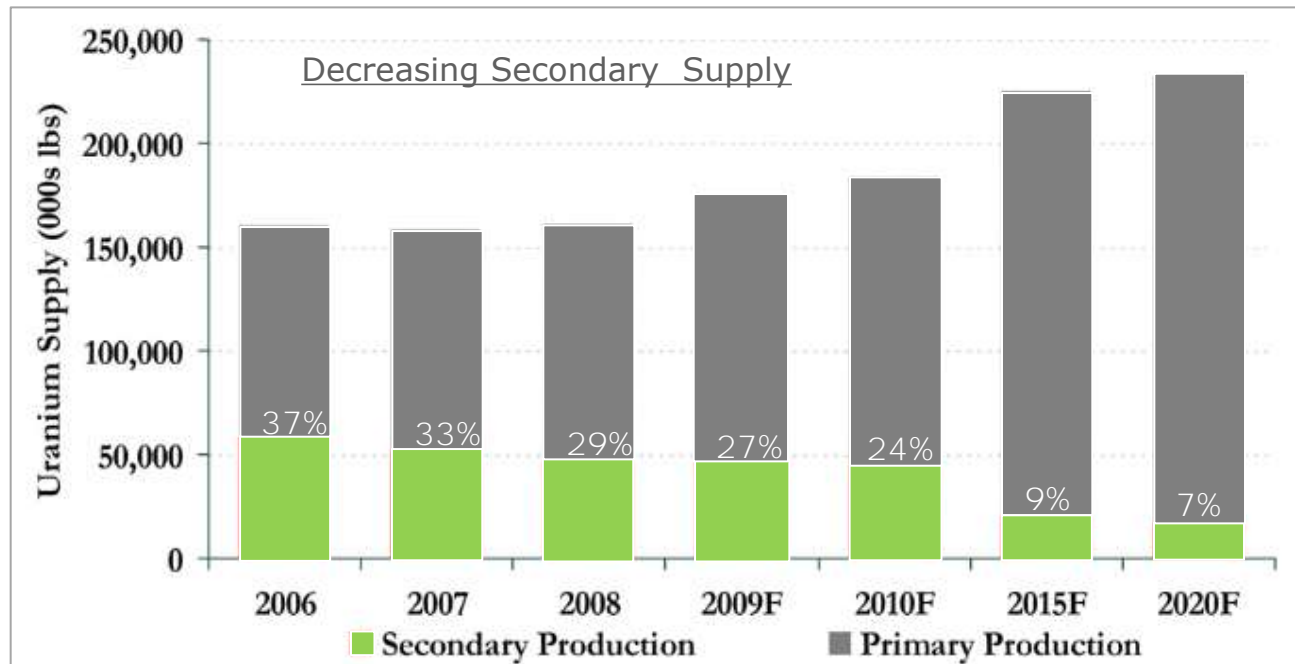
### COMPELLING URANIUM SUPPLY AND DEMAND FUNDAMENTALS

Mine supply (~130 MM lbs U<sub>3</sub>O<sub>8</sub> in 2010) **cannot meet current demand** (182 MM lbs in 2010), nor is it expected to grow at the same pace as future demand.



## HEU EXPIRATION IMPLICATIONS TO SUPPLY/DEMAND

- ❖ Expiration of US-Russian HEU Agreement scheduled for 2013
- ❖ Russia has repeatedly indicated that there is no desire to extend agreement
- ❖ Existing US/Russia HEU agreement supplies 13% of world or 45% of US annual uranium needs
- ❖ Current cost of downblending HEU to commercial grade fuel is expected to exceed new mine production costs



**New sources of primary production will be required as a result of declining secondary supply**

## **THE U.S. OPPORTUNITY – SUPPLY SHORTAGE**

- ❖ U.S. holds the fourth position globally for recoverable resources of U308
- ❖ 104 U.S. nuclear reactors consume 55mm lbs of U308/year to generate 20% of US electricity grid
- ❖ Currently, the U.S. produces approximately 4mm lbs of U308/year
- ❖ Secondary supplies are declining and most new sources of uranium are mined in politically unstable countries which are prone to supply disruption



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## CHARACTERISTICS OF IN-SITU RECOVERY (ISR)

### Conventional Uranium Mining:

- ❖ Removes rock from the ground in **open pits or underground mines**, grinds it and treats it chemically to remove the uranium



### In-Situ Recovery:

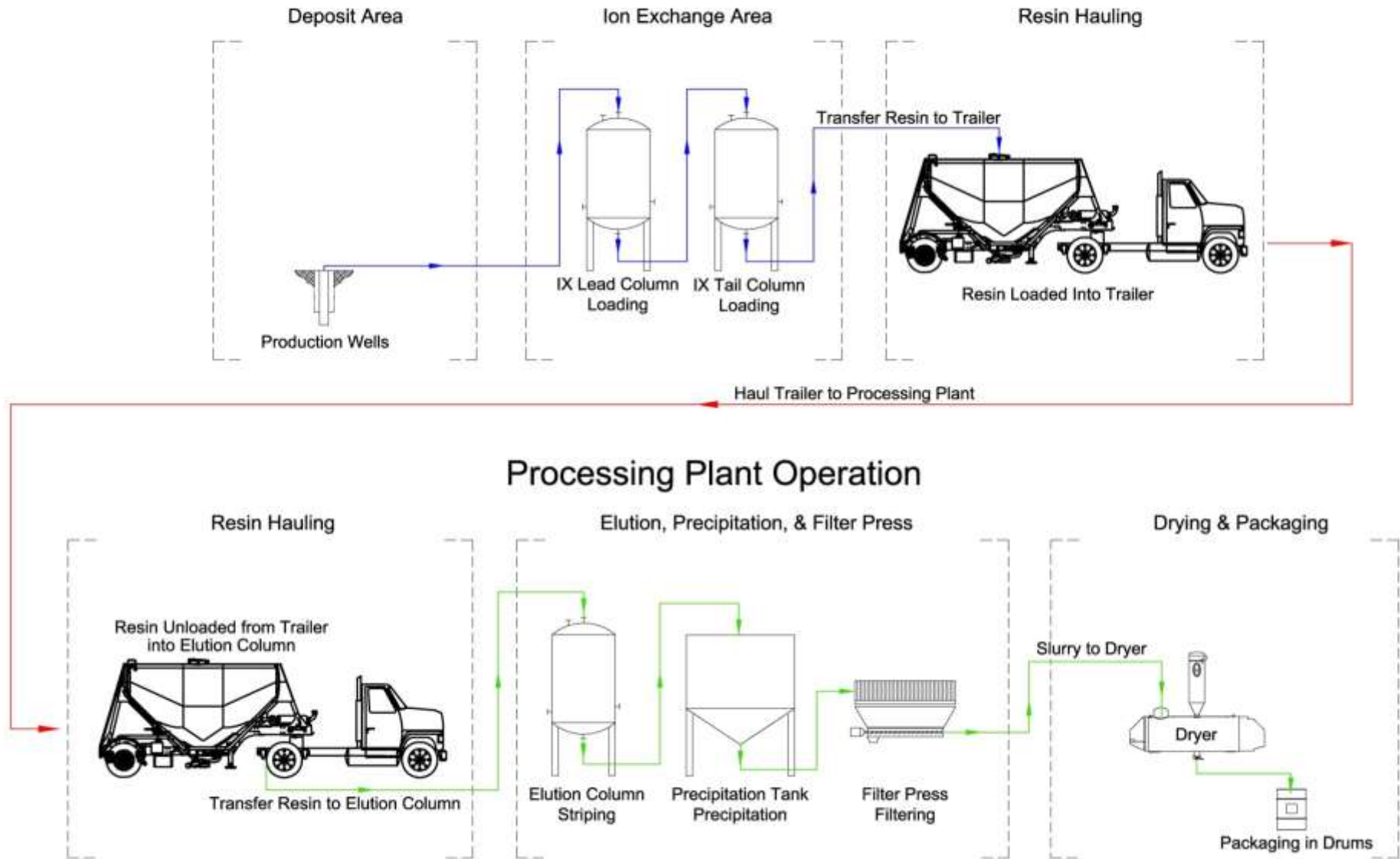
- ❖ Uranium is recovered by dissolving it with a carbonated water solution and **pumping the uranium in solution to surface**, concentrating it on resin beads, and shipping the uranium-loaded resin to a plant for processing into U308
- ❖ **Little surface disturbance** and no chemical tailings or waste rock
- ❖ Requires **lower capital expenditure and operating costs**
- ❖ Unlike conventional mining, with ISR, the aquifer must be **restored to baseline conditions**
- ❖ ISR has **been safely used for more than thirty years**



## Worldwide ISR Mining Jurisdiction



# IN-SITU RECOVERY PROCESS



## SATELLITE OPERATION

### TYPICAL ISR PROCESS FLOW



## IN-SITU RECOVERY

### Wellfield





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## ***UEC's HOBSON ISR PROCESSING PLANT***





Uranium Energy Corp

NORTH AMERICA'S NEWEST URANIUM PRODUCER

NYSE-AMEX: UEC Frankfurt: U6Z

## ***RESIN HAULING TRUCK & TRAILER***





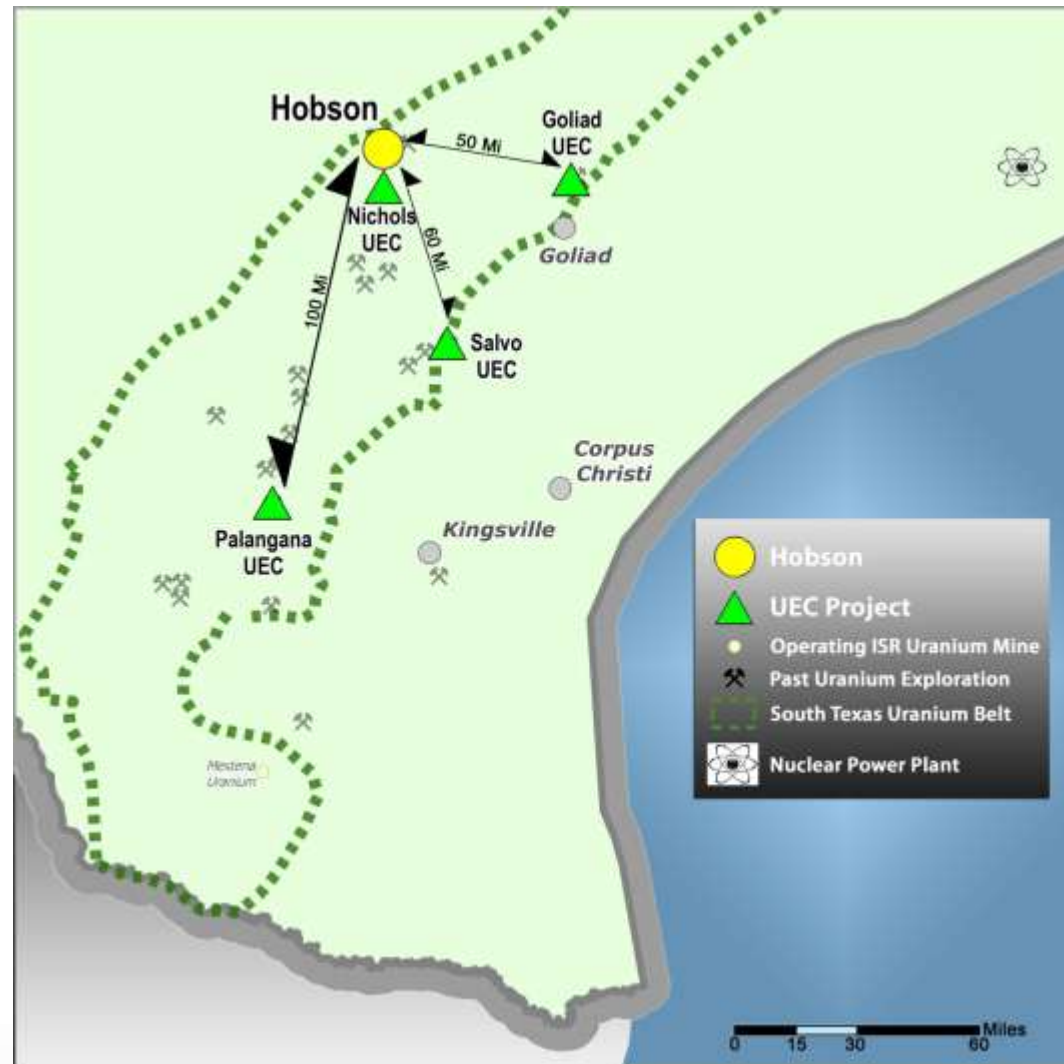
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### **SOUTH TEXAS URANIUM BELT- A DISTRICT PRODUCTION STRATEGY**

- ❖ The Texas Commission on Environmental Quality (TCEQ) issues all required mining permits.
- ❖ 30+ years of uranium mining in Texas, 31 applications made = 31 final permits
- ❖ 26 of 31 current or historic deposits in trend have been ISR amenable deposits.

**SOUTH TEXAS URANIUM  
BELT COVERS 270 MILES  
IN OVER 54 COUNTIES**



**CURRENT SOUTH TEXAS RESOURCES:**



Category	Palangana	Goliad	Salvo	Nichols	Total
<b>43-101 MEASURED &amp; INDICATED (M LBS.)</b>	1.06	5.5	-	-	<b>6.56</b>
<b>43-101 INFERRED (M LBS.)</b>	1.15	1.5	-	1.3	<b>3.95</b>
<b>HISTORIC RESOURCES</b>	-	-	1.5	-	<b>1.5</b>
<b>TOTAL (M LBS.)</b>	2.21	7	1.5	1.3	<b>~12</b>

### ***HOBSON ISR PROCESSING PLANT***

- ❖ Production capacity of 3 mm lbs/year
- ❖ Fully licensed and permitted
- ❖ Completely refurbished as of Q3/2008



## **PALANGANA ISR PROJECT - *STAGE: PRODUCING***

- ❖ **First new ISR uranium mine** in the U.S. in five years
- ❖ 9,900-acre property, **strategically located** 100 miles south of the Company's Hobson ISR processing plant
- ❖ 2.2mm lb. NI 43-101 Compliant Resource:
  - ❖ Two Production Zones:  
Measured & Indicated **Resource: 1,057,000 lbs.** average grade of 0.135%
  - ❖ Six Potential Production Zones:  
Inferred **Resource: 1,154,000 lbs.** with average grade of 0.176%



# PALANGANA ISR PROJECT- STAGE: PRODUCING

**EXPLORATION  
AND POTENTIAL  
PRODUCTION  
ZONES**

**SALT DOME**

**PRODUCTION ZONES**

Legend	
	Production Area
	Potential Production Area
	Mine Area
	Palangana Salt dome
	Mineral Lease Boundary
	Unleased

NI 43-101 Resource Estimates	
Jemison Fence	268,000
CC Brine	219,000
NE Garcia	205,000
Jemison East	105,000
Dome	111,000
SW Garcia	53,000

NI 43-101 Resource Estimates	
PA1 M&I	824,000
PA1 Inferred	161,000
PA2 M&I	234,000
PA2 Inferred	31,000



0 0.25 0.5 1 mi

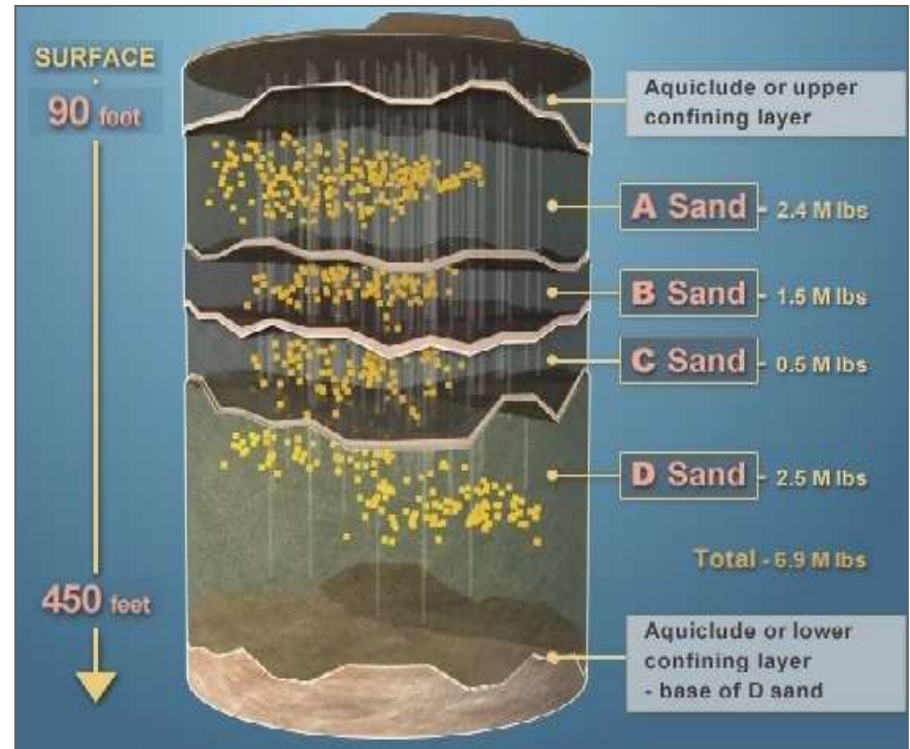
**UEC** Uranium Energy Corp  
Palangana  
Duval County, Texas

DATE: Jan 14, 2010  
Map Created by: JS  
FILE: LP\_ExplorationINDEX

**Trend Index Map**

### **GOLIAD ISR PROJECT - STAGE: PRODUCTION EXPECTED Q4 2011**

- ❖ **Received production permits** (Mine Permit and Production Area Authorization)
- ❖ **Largest ISR** uranium project in Texas
- ❖ **6.9 mm lb. NI 43-101 Compliant Resource-**  
Measured & Indicated 5.4 million pounds  
Inferred 1.5 million pounds U3O8
- ❖ Exciting **"Blue Sky" Potential-** Uranium mineralization remains open laterally in all directions.



**Resource Estimates – Goliad Project, March 04, 2008**

<u>Resource Category</u>	<u>Cutoff GT</u>	<u>Tons</u>	<u>Grade % U<sub>3</sub>O<sub>8</sub> *</u>	<u>Pounds eU<sub>3</sub>O<sub>8</sub> *</u>
<b>Measured &amp; Indicated Resource</b>	0.3	3,790,600	0.078	5,475,200
<b>Inferred Mineral Resource</b>	0.3	1,547,500	0.078	1,501,400

\* Disequilibrium Factors Applied

GT - is grade-thickness determined by multiplying the grade of mineralization expressed in percentage terms by mineralized thickness measured in feet.

# NI 43-101 Resource Estimates


A-Sand	M & I: 1,913,500 lbs. Inferred: 524,500 lbs.
B-Sand	M & I: 1,191,100 lbs. Inferred: 327,400 lbs.
C-Sand	M & I: 404,300 lbs. Inferred: 110,800 lbs.
D-Sand	M & I: 1,966,300 lbs. Inferred: 538,700 lbs.


## GOLIAD ISR PROJECT STAGE: PRODUCTION EXPECTED Q4 2011



### Legend

- A-Sand Area
- B-Sand Area
- C-Sand Area
- D-Sand Area
- Mineral Lease Boundary
- Fault



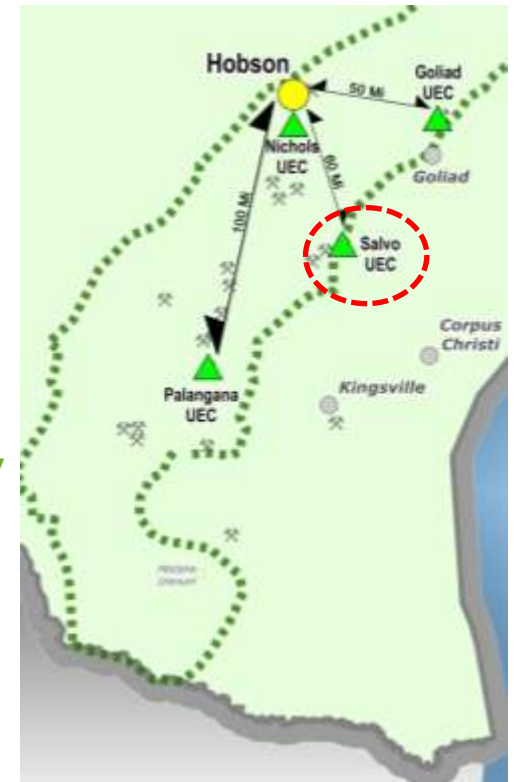


**Goliad Project**  
Goliad County, Texas

Date: April 6, 2010	<b>Mineralized Zone Map</b>
Map Created by: CB	
FILE: Goliad_Mineral...	

## **SALVO ISR PROJECT** **STAGE: EXPANSION DRILLING PROGRAM**




- ❖ 100%-controlled in-situ recovery uranium project in Bee County **totaling 4,054 acres**
- ❖ 60 miles from Hobson- **potential satellite project**
- ❖ Historic resource of approximately **1.5 mm lbs. of U3O8** developed by Mobile Oil based on 433 holes drilled
- ❖ Two phase confirmation and **expansion drill program underway**
- ❖ Intercepts include **9.5 feet grading 0.67% U3O8**
- ❖ Initial qualified resource anticipated Q1 2011



## 2011 SOUTH TEXAS CAPITAL BUDGET - \$17,500,000

Program	Details	CAPEX
Goliad ISR Mine Development	Satellite	\$7.0mm
	Wellfield	\$6.5mm
Texas Lease Acquisition	New Properties	\$1.5mm
Texas Drill Campaign	~ 320,000 feet	\$2.5mm
<b>Total</b>		<b>\$17.5mm</b>

## TEXAS MILESTONES – SCHEDULE FOR PRODUCTION AND POUNDS

	Q4 2010	Q1 2011	H1 2011	H2 2011
<b>PALANGANA</b>	<ul style="list-style-type: none"> <li>FIRST SHIPMENT OF URANIUM LOADED RESINS TO HOBSON </li> <li>PRODUCTION <b>RAMP UP</b></li> </ul>		<ul style="list-style-type: none"> <li>DRILLING RESULTS AND UPDATED NI 43-101 <b>RESOURCE ESTIMATE</b></li> </ul>	
<b>GOLIAD</b>	<ul style="list-style-type: none"> <li><b>ADVANCE PERMITTING</b> WITH TCEQ </li> </ul>	<ul style="list-style-type: none"> <li><b>FINAL PERMIT</b> TO BE ISSUED BY THE TCEQ</li> </ul>		<ul style="list-style-type: none"> <li><b>COMMENCE MINING YELLOWCAKE</b></li> </ul>
<b>SALVO</b>	<ul style="list-style-type: none"> <li>EXPAND LEASE AREA </li> </ul>	<ul style="list-style-type: none"> <li>PHASE ONE DRILLING RESULTS AND UPDATED NI 43-101 <b>RESOURCE ESTIMATE</b></li> </ul>	<ul style="list-style-type: none"> <li>PHASE TWO DRILLING RESULTS AND UPDATED NI 43-101 <b>RESOURCE ESTIMATE</b></li> </ul>	
<b>ADDITIONAL RESOURCE EXPANSION</b>		<ul style="list-style-type: none"> <li>ACQUIRE <b>NEW LEASES</b> WITHIN HAULING DISTANCE TO HOBSON</li> </ul>		



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**UEC's MILESTONES 2004-2010**

October 2004	Acquired portfolio of uranium projects in Wyoming, Arizona, Colorado
February 2006	Went public by listing shares on the OTCBB under the symbol URME
July 2006	Raised \$5,000,000 equity financing
January 2007	Raised \$13,500,000 equity financing
September 2007	Began trading on the Amex under a new symbol UEC
December 2007	Raised \$6,750,000 equity financing
July 2008	Raised \$15,294,597 equity financing
June 2009	Raised \$22,319,601 equity financing
June 2009	Added to Russell 2000 Index and Russell 3000 Index
December 2009	Acquires licensed processing plant and property portfolio
January 2010	Palangana ISR uranium project now fully permitted
April 2010	Completes sale of interest in Cebolleta Uranium Project in New Mexico for \$11 M
June 2010	Commenced construction and development on Production Area One at Palangana
October 2010	Raised \$27,500,000 equity financing
November 2010	Begins Production at Palangana ISR Project
December 2010	Receives Mine Permit and Production Area Authorization for the Goliad ISR Project

## **ANALYST COVERAGE**

CIBC World Markets	Ian Parkinson	(416) 956-6169
Dundee Capital	David A. Talbot	(416) 350-3082
Haywood Securities	Geordie Mark, Ph.D	(604) 697-6089
RBC Capital Markets	Adam Schatzker	(416) 842-7850
Rodman & Renshaw	Alka Singh	(212) 430-1760

### ANALYST COVERAGE

**"Sector Outperform; Target: US\$9.10...**Uranium Energy, the world's latest uranium producing company, has successfully commenced well-field production on Production Area 1 at Palangana, and transferred the maiden shipment of loaded resin to the nearby Hobson ISR Plant in south Texas."

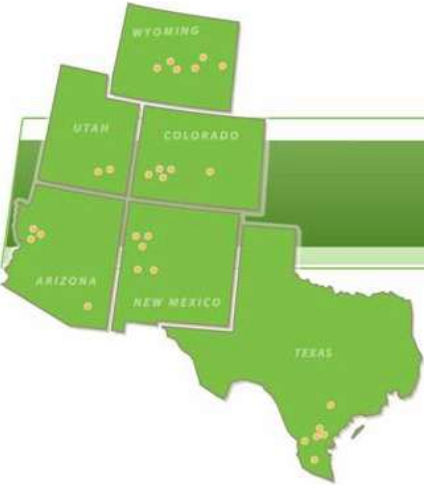
**"Raising target to\$7.40...**Once production is fully underway at Palangana, UEC will be generating enough cash to offset the development and construction costs at Goliad."

**"Raising target to \$6.00/share,** with BUY recommendation."

**"Maintaining outperform and raising target price to US\$ 7.50** based on: 1) our positive view of uranium price in the medium to long-term 2) the technical expertise of the operating and 3) the strategy of the company to consolidate attractive uranium projects under one umbrella and to bring a new uranium mining company into production."



### INVESTMENT SUMMARY



*Why invest  
in UEC as  
an emerging  
U308  
producer?*

### NORTH AMERICA'S NEWEST URANIUM PRODUCER

- ❖ **OPERATING THE FIRST U.S. ISR URANIUM MINE IN THE LAST FIVE YEARS**
- ❖ Strong balance sheet: \$35 M cash, no debt, and 100% un-hedged production
- ❖ Owns a fully licensed, constructed, and centrally located processing plant in South Texas
- ❖ 4 in-situ recovery ("ISR") projects in uranium friendly South Texas
- ❖ Aggressive \$2.5 m exploration program underway - total of ~ 320,000 feet of drilling
- ❖ ISR projects = lower capital and operating costs than conventional uranium mining
- ❖ Last two major ISR projects put into production by UEC team in Texas
- ❖ Controls another 23 projects in the other U.S. uranium states with 26mm lbs/U308
- ❖ Analysts see the upward move in uranium prices as the start of a multi-year bull run



*“The Company is well positioned to act on its objectives for the next year with no debt, \$35 million in cash, one of North America’s strongest technical teams, a growing base of operations in South Texas and an upbeat outlook for the uranium market.”*

**President and CEO Amir Adnani**  
**December 2010 Letter to Shareholders**

