



# Uranium Resources, Inc.

NASDAQ: URRE

Wall Street Institutional Investor Conference

December 6, 2011

***Don Ewigleben***  
***President and CEO***

***Tom Ehrlich***  
***Chief Financial Officer***

# Safe Harbor Statement



This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are subject to risks, uncertainties and assumptions and are identified by words such as “expects,” “estimates,” “projects,” “anticipates,” “believes,” “could,” and other similar words. All statements addressing operating performance, events, or developments that the Company expects or anticipates will occur in the future, including but not limited to statements relating to the Company’s mineralized uranium materials, timing of receipt of mining permits, production capacity of mining operations planned for properties in South Texas and New Mexico, planned dates for commencement of production at such properties, revenue, cash generation and profits are forward-looking statements. Because they are forward-looking, they should be evaluated in light of important risk factors and uncertainties. These risk factors and uncertainties include, but are not limited to, the spot price and long-term contract price of uranium, weather conditions, operating conditions at the Company’s mining projects, government regulation of the mining industry and the nuclear power industry, world-wide uranium supply and demand, availability of capital, timely receipt of mining and other permits from regulatory agents and other factors which are more fully described in the Company’s documents filed with the Securities and Exchange Commission. Should one or more of these risks or uncertainties materialize, or should any of the Company’s underlying assumptions prove incorrect, actual results may vary materially from those currently anticipated. In addition, undue reliance should not be placed on the Company’s forward-looking statements. Except as required by law, the Company disclaims any obligation to update or publicly announce any revisions to any of the forward-looking statements contained in this presentation.



# Uranium Resources (URI) Profile

***URI was incorporated in 1977 to acquire, develop and produce uranium deposits using In-Situ Recovery (“ISR”) technology.***

- ✓ *Produced over 8 million U<sub>3</sub>O<sub>8</sub> pounds since incorporation*
- ✓ *Holds 102.1 million pounds of in-place mineralized uranium material*

## **NASDAQ: URRE**

▶ <b>Shares outstanding</b>	<b>93.5 million</b>
▶ <b>Market capitalization</b>	<b>\$97.2 million</b>
▶ <b>Recent price</b>	<b>\$1.04</b>
▶ <b>52-week range</b>	<b>\$3.98 - \$0.52</b>
▶ <b>Average 3-month daily volume</b>	<b>1,214,260</b>
▶ <b>Institutional ownership (filed)*</b>	<b>44.5%</b>
▶ <b>Insider ownership</b>	<b>2.3%</b>
▶ <b>Cash position*</b>	<b>\$4.3 million</b>

*Market data as of November 29, 2011*

*\* As of October 31, 2011*



# Uranium Resources Mission

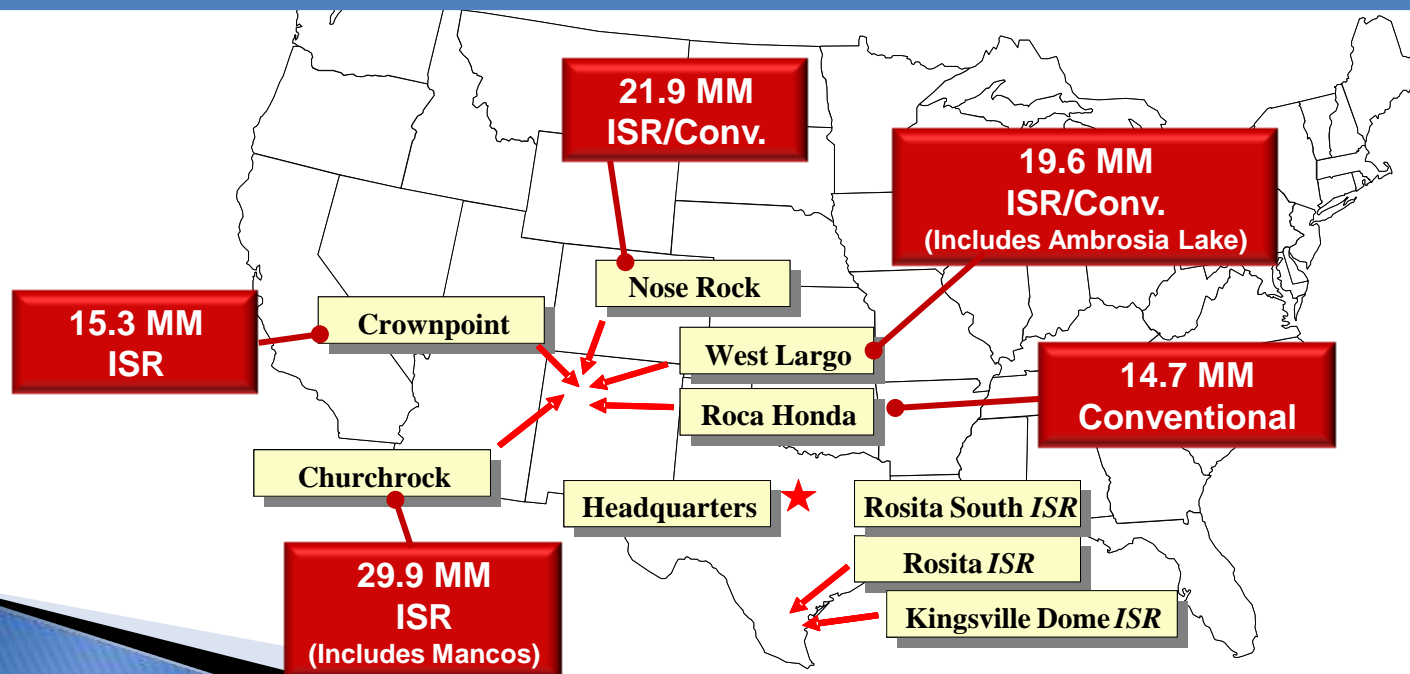
**To provide shareholder value by meeting the energy needs of the United States as the premier uranium mining company in the country.**

**We will provide our products in a safe, ethical and environmentally sound manner for the communities in which we operate, the people we employ and the customers that we serve.**

# URI Strategy: Capitalize on Growing Uranium Supply and Demand Imbalance

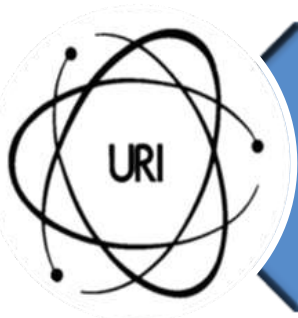


- I. Advance New Mexico ISR assets to production
- II. Develop resources in Texas to enable return to production
- III. Expand asset base both within and outside of New Mexico and Texas
- IV. Partner with larger mining companies that have undeveloped uranium assets or with junior mining companies that do not have the mining experience of URI



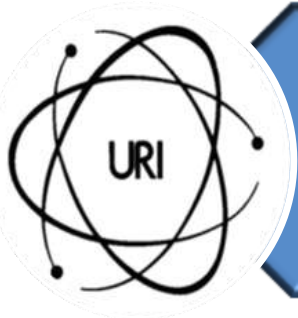


# Global Uranium Market Fundamentals



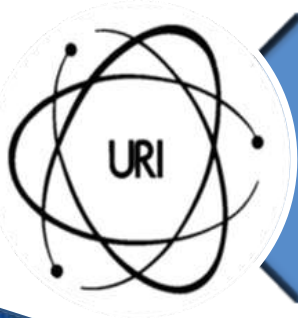
## Post Fukushima: China and India Offset Impact

- Will more than double global atomic power production and drive 46% increase in uranium consumption by 2020<sup>(1)</sup>
- China Nuclear Energy Association announced that some projects may be scaled back, though still aims to install between 60 and 70 gigawatts<sup>(2)</sup>



## Secondary supplies rapidly being depleted

- Russian HEU agreement expires 2013
- DOE updating uranium management plan: current 2013 sales estimate to be down from 2011-2012



## Demand for primary production

- Could more than double by 2030<sup>(3)</sup>
- Global warming, carbon tax, and coal risks will assist in driving demand for nuclear energy

(1) Bloomberg, Moming Zhou, Dinakar Sethuraman, and Lars Paulsson, May 23, 2011

(2) Bloomberg, Guo Aibing, October 21, 2011

(3) World Nuclear Association 2009 Report



# Global Nuclear Renaissance

Country	Operating	Under Construction	Planned	Proposed	U <sub>3</sub> O <sub>8</sub> Req'd 2011 (millions of lbs)
USA	104	1	7	27	40.5
France	58	1	1	1	20.4
Japan	51	2	10	5	6.2
Other	61	8	39	80	17.4
China	14	27	51	120	9.0
Russia	32	10	14	30	10.8
South Korea	21	5	6	0	8.9
Germany	9	0	0	0	4.4
UK	18	0	4	9	4.6
Ukraine	15	0	2	20	5.0
Canada	17	3	3	3	4.1
Sweden	10	0	0	0	3.0
India	20	6	17	40	2.9
South Africa	2	0	0	6	0.7
<b>Total</b>	<b>432</b>	<b>63</b>	<b>154</b>	<b>341</b>	<b>137.9</b>

**104 U.S. reactors require 40.5 million pounds in 2011, but in 2010 the U.S. produced only 4.2 million pounds**

*Operating* = Connected to grid

*Under Construction* = First concrete for reactor poured, or major refurbishment under way

*Planned* = Approvals, funding or major commitment in place, mostly expected in operation within 8-10 years

*Proposed* = Specific program or site proposals, expected operation mostly within 15 years

Source: World Nuclear Association, as of October 8, 2011



# Global Industry Snapshot

	Company	Headquarters Country	Reserves & Resources (Measured, Indicated & Inferred) (lbs, in millions)*
1	Cameco	Canada	932.5
2	Paladin Energy	Australia	653.3
3	ERA (Rio Tinto)	Australia	601.2
4	Extract Resources	Australia	487.4
5	First Uranium Corp.	Canada	257.1
6	Uranium One	Canada	204.9
7	Bannerman Res.	Australia	170.1
8	Denison Mines	Canada	109.6
9	Deep Yellow	Australia	107.8
10	Uranium Resources	USA	102.1
11	Forsys Metals	Nambia	86.7
12	UEX Corp	Canada	84.1
13	Strathmore Minerals	Canada	83.4
14	Berkeley Resources	Canada	77.9
15	Laramide Resources	Canada	62.3

**URI is  
among the  
largest  
resource  
holders in  
the world**

\* Source: UBS, November 18, 2011



# Long-term Price Outlook

Aggressive reactor construction program in China –  
27 reactors under construction / 171 planned or proposed

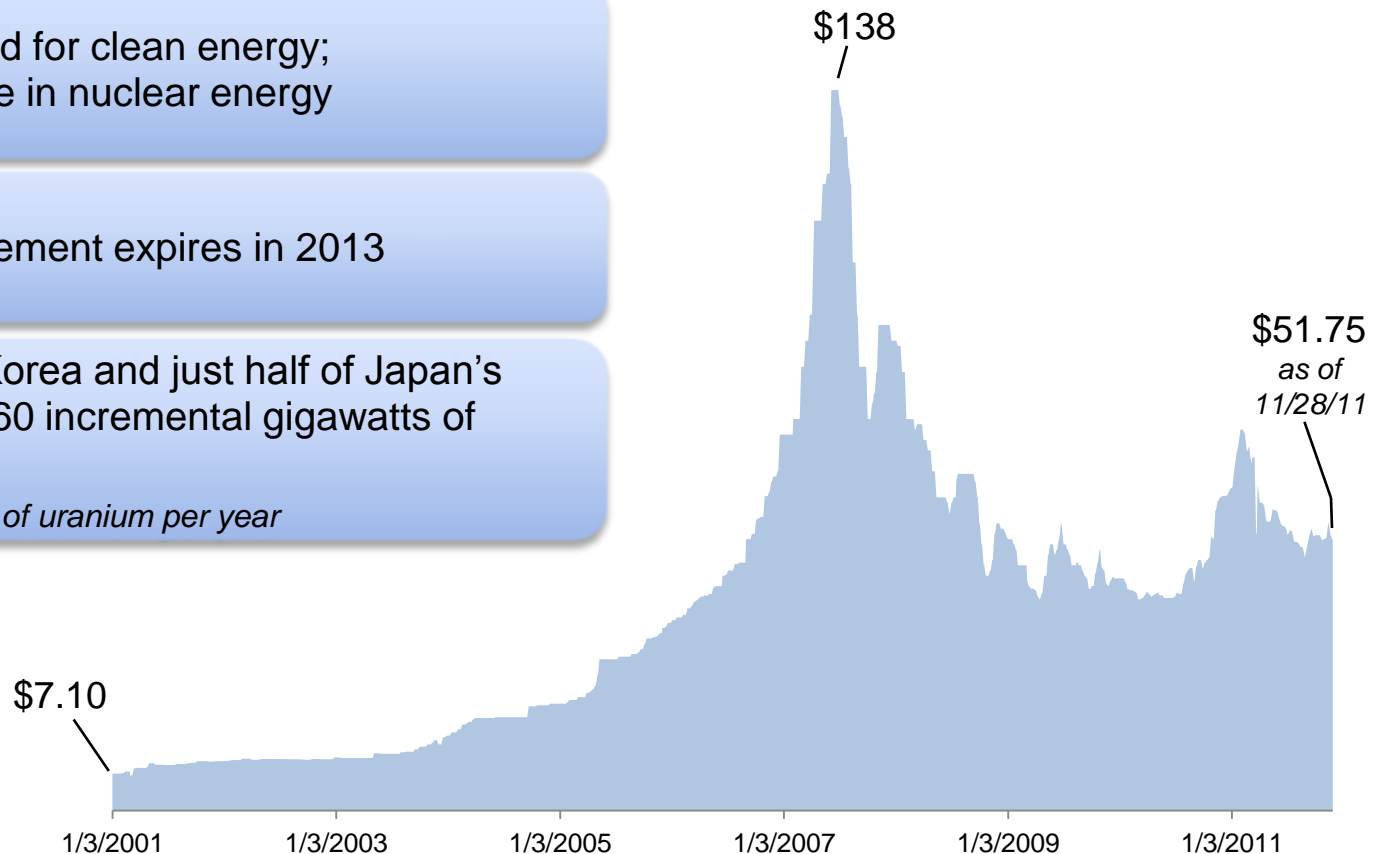
Intensifying global demand for clean energy;  
30 countries plan to phase in nuclear energy

U.S. - Russian HEU Agreement expires in 2013

China, India, Russia, S. Korea and just half of Japan's  
current plans will create 160 incremental gigawatts of  
nuclear power by 2020

*1 gigawatt = 200 tons of uranium per year*

$U_3O_8$  Spot Price\*  
(per lb.)



\*Source: Ux Consulting – Ux Weekly Report

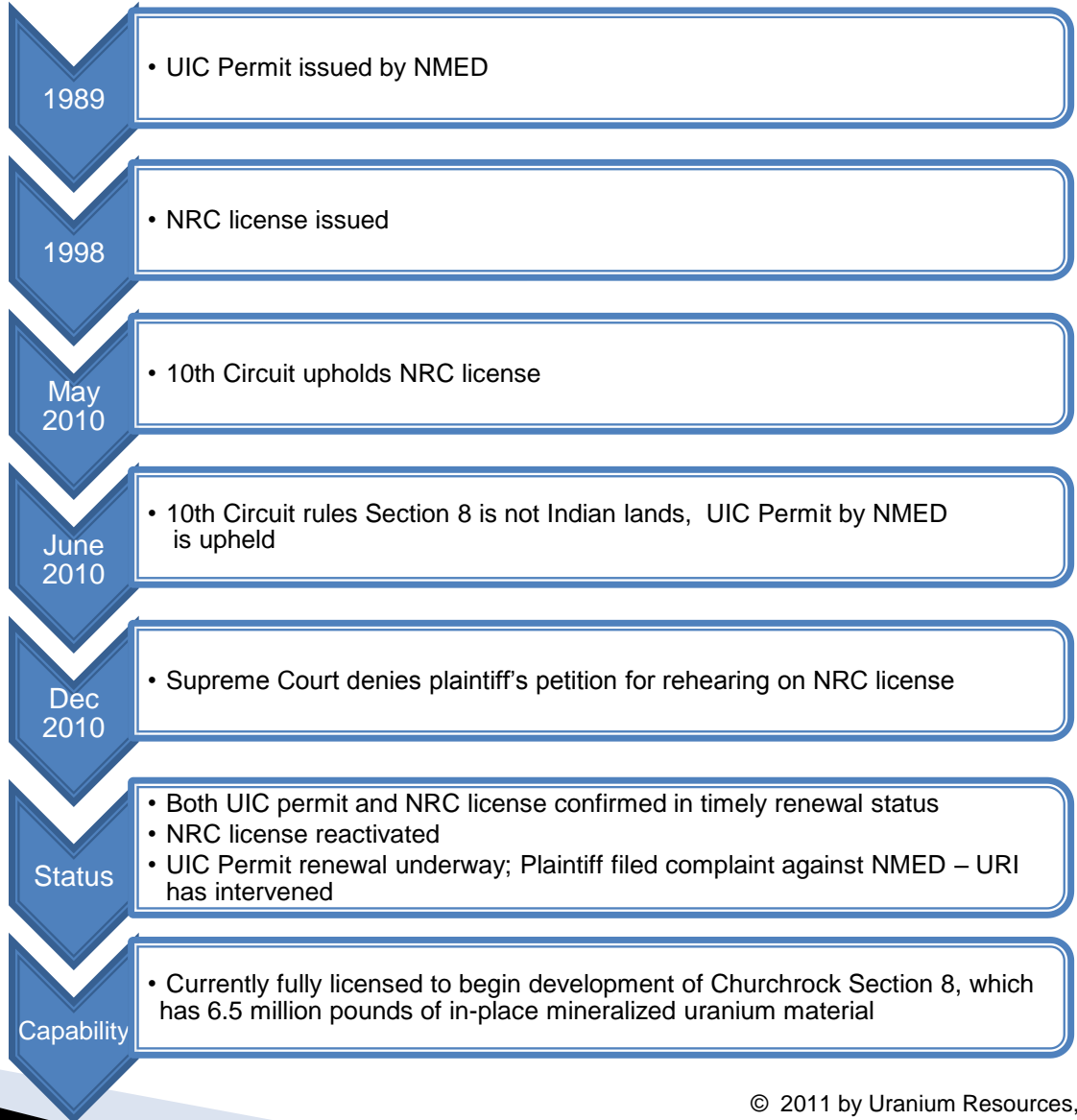
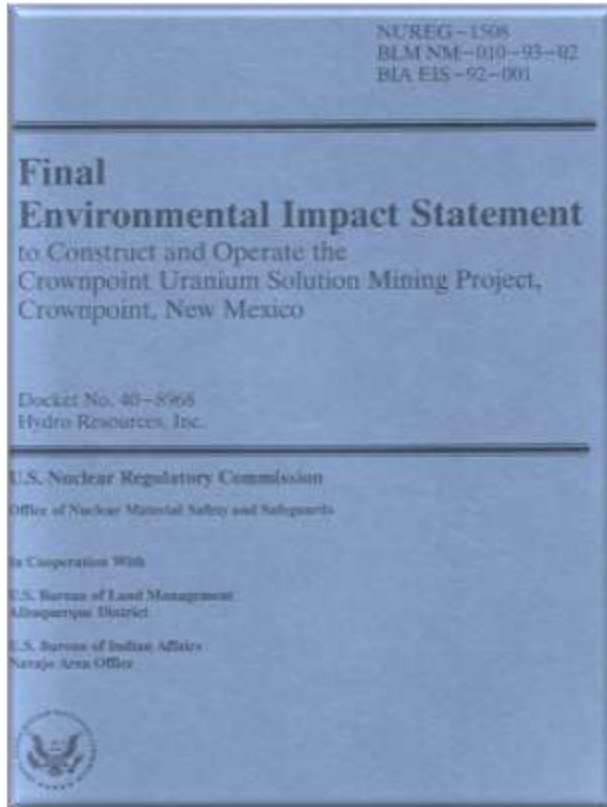
© 2011 by Uranium Resources, Inc.





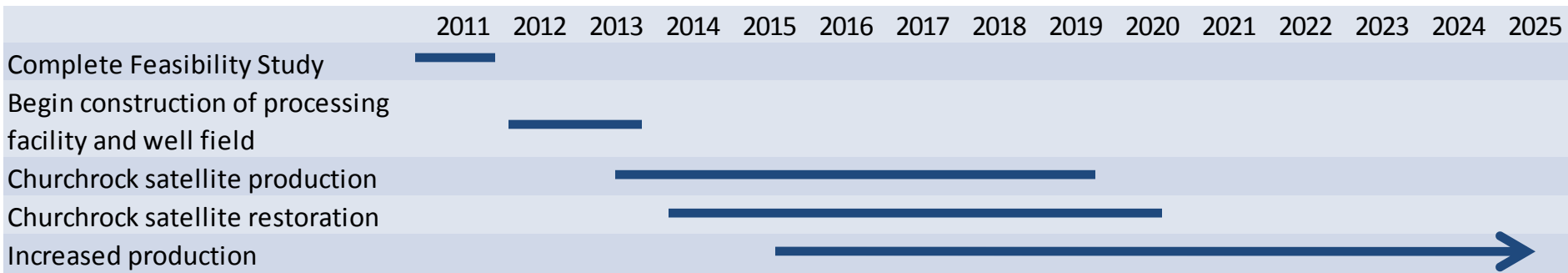
# Churchrock/Crownpoint Project

*In Leading Position to Begin Production in New Mexico*



# Crownpoint Uranium Project Mine Plan

## *NRC License to Produce 3 Million Pounds per Year*



- Produce up to 1 million pounds per year on Churchrock
- Demonstrate successful commercial restoration
- Produce up to 3 million pounds per year on Crownpoint/Churchrock
- UIC permit to allow development of Churchrock Section 8, which has 6.5 million pounds of in-place mineralized uranium material



# Future New Mexico Development Value

## Properties

- Nose Rock, Roca Honda & Crownpoint mine sites
- Six in-place shafts
  - Avoids significant cost/saves development time
  - Designed for 4mm lbs/yr
  - Projects deferred in 1981
- Exploration potential:
  - 43,000 acres in Ambrosia Lake District

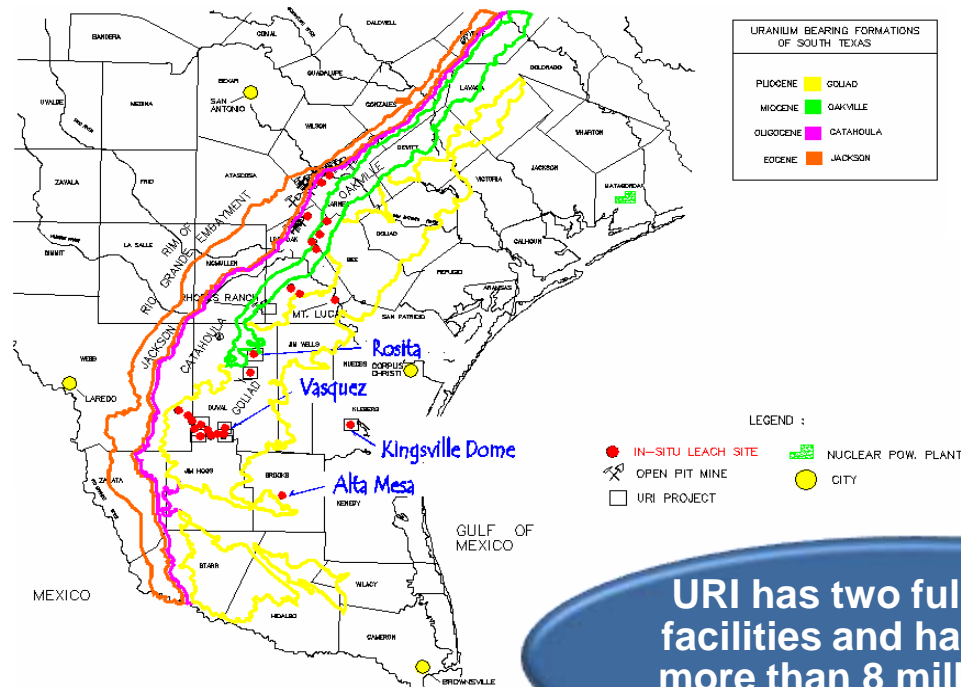
## Database

- Phillips Petroleum, Westinghouse Electric, Kerr-McGee, Homestake Mining, Mobil Oil, United Nuclear, Santa Fe Railroad
- 19,000 logs – replacement cost estimated at \$700 million
- Feasibility studies, mining plans, etc.



# URI's Objectives in Texas

- ✓ Explore and develop a larger reserve base: Los Finados Project
- ✓ Advance current properties through licensing & permitting; Prepare for future production
- ✓ Lease additional targeted properties
- ✓ Redefine the terms of sales agreements\*
- ✓ Reclamation & restoration



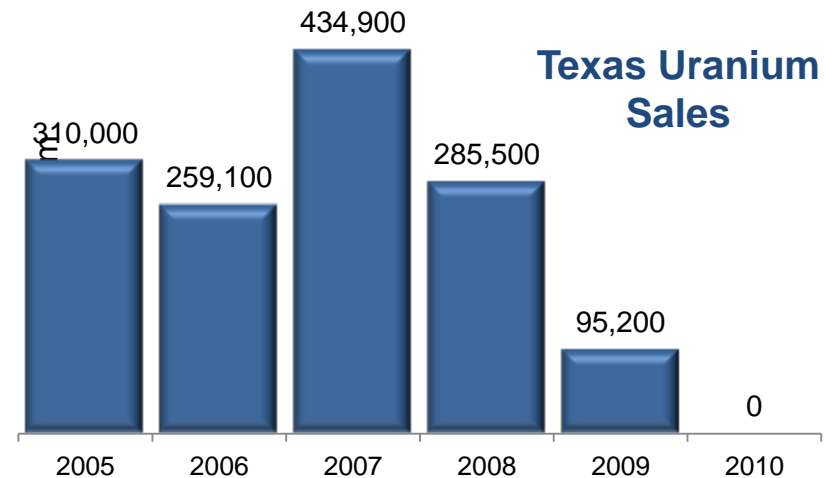
URI has two fully-licensed facilities and has produced more than 8 million pounds of uranium in South Texas



# Texas: Current Reserves & Recent Production History

In Place Reserves in South Texas			
Property	Tonnage (millions)	Grade Percentage	Proven Uranium Reserves at 12/31/10 (millions of Lbs)
	0.035	0.071%	0.050
Rosita	0.133	0.080%	0.224
Rosita South	0.129	0.077%	0.198
Rosita Expansion <sup>(1)</sup>	0.112	0.086%	0.192
<b>Total</b>	<b>0.409</b>	<b>0.080%</b>	<b>0.664</b>

URI has sales contracts\* in place with Itochu (based on spot price) and UG U.S.A., Inc. (based on long-term price)



\* See supplemental slides for contract detail  
(1) in permitting process



# Texas: Growth Through Exploration

## Los Finados Project

### **Ideal property lease with strong indications for uranium potential**

- Three-year agreement to explore 54,847 acres in Kenedy County
- Option to lease the acreage for uranium production
- Property located within the prolific South Texas uranium district

### **Three-year exploratory agreement with Power Resources, Inc., a subsidiary of Cameco (NYSE: CCJ)**

- The agreement provides for a three-phase, three-year exploration program
- Completed Phase I exploration drilling in November 2011 - 19 holes totaling 24,560 feet have been drilled
- Phase II commitment made in November 2011
- Exploration program to be funded by Cameco who has the option to earn up to 70% of the property rights
- Uranium to be processed at URI's Kingsville Dome or Rosita processing facility under a toll processing agreement with URI.
- URI has right of first refusal on any other CCJ Texas development



## Strong Senior Management

### **Don Ewigleben, President and CEO**

- More than 30 years of mining industry experience
- Former President & CEO at AngloGold Ashanti North America
- Industry affiliations include National Mining Association, the Gold Institute, the Mining Association of Canada

### **Rick Van Horn, SVP, Operations**

- 13 years at URI; more than 35 years in uranium industry
- Previously at Energy Fuels Nuclear and Union Carbide
- Colorado School of Mines

### **Tom Ehrlich, VP and CFO**

- 24 years with URI
- CPA

### **Mark Pelizza, SVP, Environment, Health and Public Affairs**

- 31 years at URI
- Previously at Union Carbide
- Colorado School of Mines

### **Mat Lueras, VP, Corporate Development**

- 4 years with URI
- More than 20 years of finance and business development experience; 8 years in nuclear industry

## Experienced Directors

### **Paul Willmott (1994)**

- 40 years of industry experience  
– 25 years at Union Carbide

### **Lee Erdahl (1994)**

- More than 50 years in industry, most recently with Amax Gold

### **Terry Cryan (2006)**

- Managing director at Concert Energy Partners, a New York investment banking firm

### **Marvin Kaiser (2007)**

- More than 40 years in mining and natural resources, most recently EVP at The Doe Run Company



# Highlights

Positive long-term uranium fundamentals

Significant uranium holdings, including more than 27 million pounds under an NRC license

Texas permits in place; two fully-licensed processing facilities

Significant potential from Los Finados exploration project

Significant opportunity with existing New Mexico  $U_3O_8$

Large collection of historic NM drilling logs

Management team with years of production experience



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## *Supplemental Slides*



# URI New Mexico Uranium Assets

## *New Mexico Non-Reserve Mineralized Material million pounds $U_3O_8$*

<i>Property</i>	<i>Non-Reserve Mineralized Material</i>	<i>Grade</i>	<i>Mining Method</i>
Church Rock	18.6	0.12	ISR
Mancos	11.3	0.11	ISR
Crownpoint	15.3	0.16	ISR
Roca Honda	14.7	0.19	Conventional
West Largo	17.2	0.30	ISR/Conv
Ambrosia Lake	2.4	0.17	ISR/Conv
Nose Rock	<u>21.9</u>	0.15	ISR/Conv
Total	101.4		

# Crownpoint & Roca Honda

**Crownpoint:** NRC license; three 2,100 foot shafts

Developed by Westinghouse

Designed to produce  
~1.2 mm lbs/yr



**Roca Honda:** One 1,475 foot shaft

Developed by Kerr-McGee

Designed to produce ~1 mm lbs/yr

Production deferred in 1981

# Nose Rock

Two 3,300 foot shafts

Developed by a division of  
Phillips Petroleum in late '70s



Designed to produce  
~ 2.5 mm lbs/yr

Shut down in 1981 before  
mining began



# Texas: Existing Sales Contracts

## Itochu Corporation

- A Japanese trading company with interests in energy
- Based on average spot price 8 weeks prior to delivery discounted \$7.50 with floor of \$37 and ceiling of \$43
- Discount is 50% of excess above \$50/lb. spot price
- No floor or ceiling on deliveries above 3.65 million pounds
- 510,000 pounds were delivered through December 31, 2010

## UG U.S.A., Inc.

- A nuclear fuel trading company owned by Areva
- Based on month-end long-term price for second month prior to delivery, less \$6/lb. escalated for inflation
- Pricing in effect on 600,000 lbs. annual and 3 million lbs. cumulative deliveries
- After 600,000/3 million lbs., average spot price less 4%
- 482,000 pounds were delivered through December 31, 2010

# Expertise: In-Situ Recovery

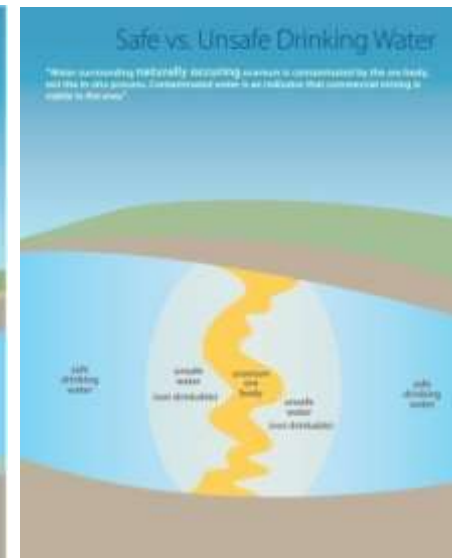
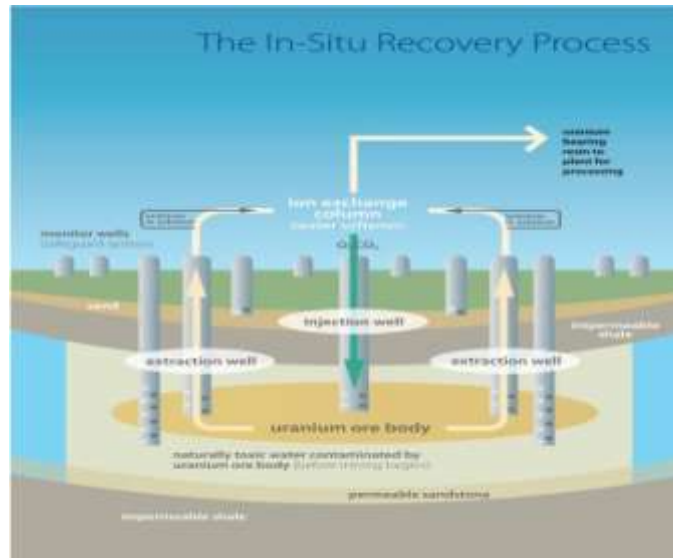
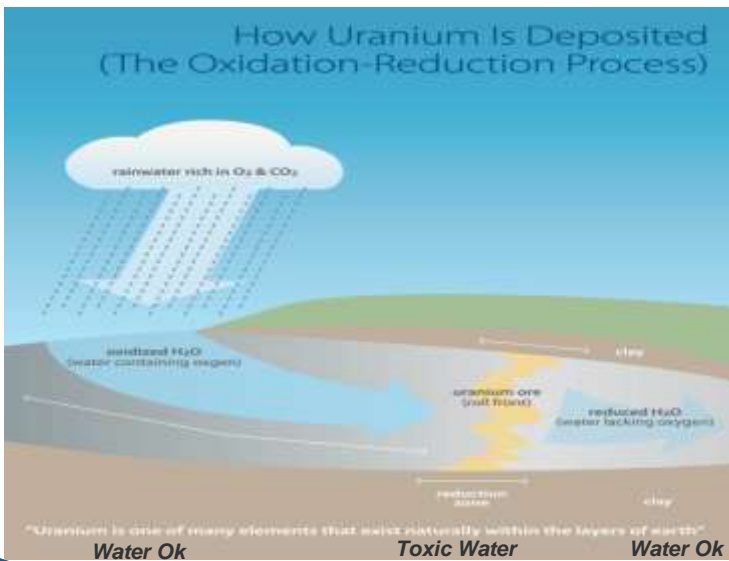
Non-invasive mining process

Uranium extracted by reversing the natural deposit process

Existing groundwater fortified with oxygen leaches the uranium from sands

Leached solution passed over ion exchange resin (much like in a domestic water softener) to recover uranium

Groundwater restored to pre-mining state





# Company History

**1977 - URI formed as division of R.L. Burns**

**1978 – Name changed to Uranium Resources, Inc.**

**1983 - Kingsville Dome JV established with Phelps Dodge (50%)**

**1985 - URI leases Rosita, TX properties. Plant started 1990**

**1986 - URI acquires: Phelps Dodge share in KVD; Churchrock, NM property**

**1987- URI's initial public offering**

**1988 - URI acquires Crownpoint, NM properties**

**1997 - URI acquires Santa Fe land position in NM**

**1999 - Production suspended due to depressed prices**

**2004 through June 2009 – Produced 1.4 million pounds in South Texas**

**2007 – URI begins trading on NASDAQ under symbol “URRE”**

**6/10 - United States Court of Appeals for the Tenth Circuit en banc held that Section 8 in Churchrock, New Mexico is not Indian Country**

**11/10 - NRC license upheld for Churchrock/Crownpoint project as United States Supreme Court denies opponents' petition**

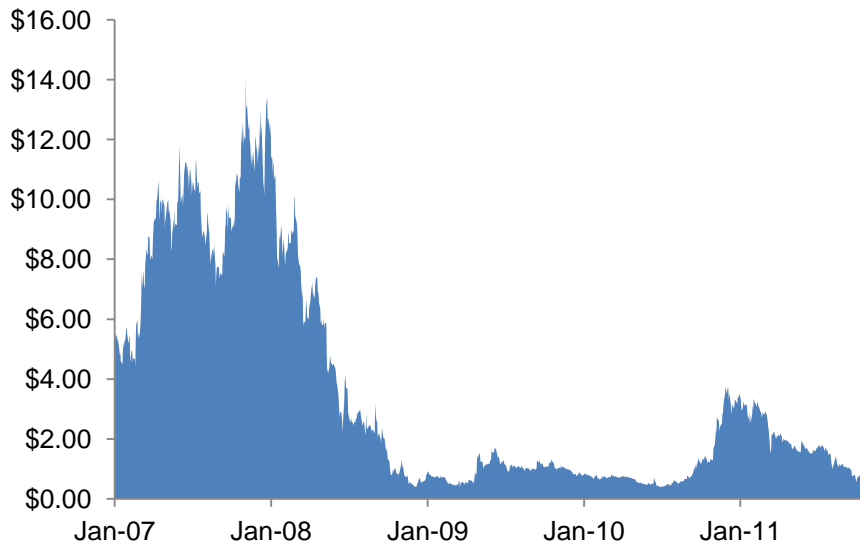
**2011 – URI commenced exploratory drilling on Los Finados project in TX and developing feasibility study in NM; NRC license reactivated in October 2011.**



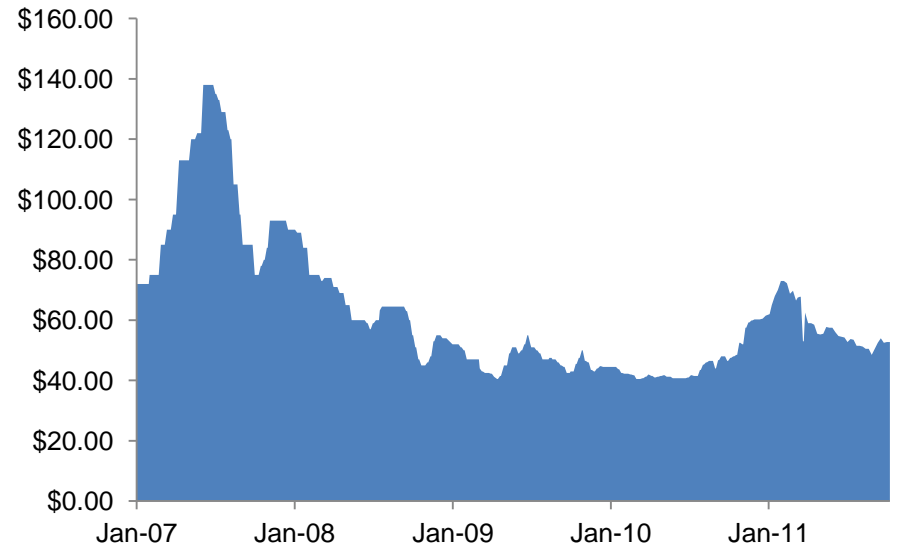
# Uranium Price/Share Price

**URRE's shares have historically been highly correlated to the spot price of uranium**

## URRE Share Price



## U<sub>3</sub>O<sub>8</sub> Spot Price





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