

NexGen Extends Arrow Discovery Zone. Second Hole Intersects Several Highly Anomalous Radioactive Zones, Rook I West, SW Athabasca Basin

March 13, 2014 (Source: Marketwired) – **Highlights**

- **Second drill hole at the “Arrow” Prospect, Rook I west area intersects several radioactive zones**
- **Multiple sections of high cps total count gamma spectrometer readings including one zone totaling 15.05 meters (containing several intercepts greater than 10,000cps) of radioactive anomalism**
- **Arrow mineralised zone is currently extended to a minimum 32 meters down dip across two holes**
- **Structural interpretation validated**

NexGen Energy Ltd. (TSX VENTURE:NXE) (“NexGen” or the “Company”) is pleased to announce the discovery of further new zones of uranium mineralisation within a second hole (RK-14-27) in the Arrow prospect, Rook 1 project in the SW Athabasca Basin, extending the known zone of uranium mineralisation down dip and along strike.

The first hole at Arrow, RK-14-21 (as previously reported on Sedar, February 24, 2014), was completed at 663.0m. It intersected uranium-mineralised brecciated structural zones over several zones downhole, including 26.2m from 204.8-231.0m, 0.6m from 318.5-319.1m, 26.8m from 517.9-544.5m, and 4.0m from 580.0-584.0m. Four further holes have been completed at Arrow (holes RK-14-24, -25, -26, and -27) (see

Figure 1).

The most recent hole, RK-14-27, was completed to a depth of 576m. It intersected uraniumiferous structurally-disturbed zones similar to the zones in hole RK-14-21, and interpreted to be continuations of those zones. These include downhole radioactively anomalous intercepts in RK-14-27 of 0.25m from 224.45-224.70m, 15.05m from 240.65-255.70m (Figs 2 and 3), 1.25m from 359.20-360.45m, and 0.20m from 435.70-435.90m.

Andrew Browne, NexGen's Vice-President, Exploration and Development, commented, "The structural interpretation of uranium mineralised zones at Arrow has been validated. We are greatly encouraged by this confirmation of both along strike and down dip extensions, and by the preliminary thickness and strength of the radioactivity. Further drilling at Arrow is designed to continue to confirm the strike and dip extent of this newly discovered uranium mineralised prospect."

Leigh Curyer, NexGen's CEO commented, "Andrew Browne, James Sykes and Matthew Schwab (the core NexGen technical team) have done a terrific job in only the 5 holes drilled to date at Arrow. The arrival of a third drill rig for the summer program will significantly expedite the results and potential of Arrow and the other identified geophysical targets on the western section of Rook I."

As previously reported, the Arrow zone is structurally complex, with a range of basement lithologies having variable competency contrast. Hole 21 suffered a deviation from its planned trace apparently due to a combination of boulders in the glacial overburden and foliated basement. Holes RK-14-24, -25, and -26 were planned and drilled to ascertain the orientation of the dominant mineralised structures. While no major radiometric zones were intersected, analysis of structures in these holes meant that hole -27 was successfully planned to intersect the interpreted mineralised zones both along strike and down dip. The next follow up hole, RK-14-29,

is planned a further 40m SW along strike to again intersect the interpreted mineralised Arrow zones.

Hole RK-14-27 has been probed radiometrically, using a Mt Sopris 2PGA-1000 total count natural gamma scintillometer probe (Fig 4). The significant radioactive zones have been measured using a hand-held Radiation Solutions Inc RS-125 spectrometer (Table 1), and this has confirmed that all radiometric activity is due to uranium. Currently, NexGen defines "significant" as a minimum of 5cm greater than 500 cps (counts per second). Note that the Radiation Solutions RS-125 spectrometer now used for core scanning is a different instrument to the Exploranium GR-110 previously used. The RS-125 spectrometer has a larger detector crystal than the Exploranium GR-110, but the total count gamma scan readings in counts per second (cps) are in the same range and it is used for qualitative indications of radioactive anomalism.

As in hole RK-14-21, the host lithology throughout most of hole RK-14-27 comprises variably chloritised medium/coarse-grained quartz-garnet-feldspar gneiss, with localized graphitic zones, shearing, brecciation, minor silicification, local dravitic clay veins, and clay alteration. All mineralised zones are being sampled for chemical analysis.

Hole RK-14-28 is in progress, and is designed to intersect the cause of the gravity low at Arrow.

To view Figures 1-4, please visit the following link:
http://media3.marketwire.com/docs/933100_F1-4.pdf.

Table 1 Radioactively anomalous zones in RK-14-27

Hole	From (m)	To (m)	Interval (m downhole)	Min cps	Max cps	Comments
RK-14-27	224.45	224.70	0.25	less than 500	600	0.25
RK-14-27	239.45	239.70	0.25	less than 500	600	0.25

RK-14-27	240.65	241.00	0.35	800	1000	2.35
RK-14-27	241.00	241.20	0.20	1000	2500	
RK-14-27	241.20	241.55	0.35	less than 500	1000	
RK-14-27	241.55	241.70	0.15	1000	1300	
RK-14-27	241.70	242.00	0.30	less than 500	1000	
RK-14-27	242.00	242.10	0.10	1400	1700	
RK-14-27	242.10	242.30	0.20	1800	2400	
RK-14-27	242.30	242.40	0.10	1100	1300	
RK-14-27	242.40	242.55	0.15	1800	2000	
RK-14-27	242.55	242.70	0.15	3000	3500	
RK-14-27	242.70	242.85	0.15	550	650	
RK-14-27	242.85	243.00	0.15	less than 500	550	
RK-14-27	243.00	243.30	0.30		less than 500	

RK-14-27	243.30	243.40	0.10	less than 500	700
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12.4

RK-14-27	243.40	243.75	0.35	less than 500	600
RK-14-27	243.75	243.85	0.10	600	700
RK-14-27	243.85	244.05	0.20	750	850
RK-14-27	244.05	244.20	0.15	1250	1500
RK-14-27	244.20	244.35	0.15	6100	greater than 10,000
RK-14-27	244.35	244.50	0.15	greater than 10,000	greater than 10,000
RK-14-27	244.50	244.60	0.10	1700	2600
RK-14-27	244.60	244.80	0.20	1500	2100
RK-14-27	244.80	244.95	0.15	2200	3200
RK-14-27	244.95	245.15	0.20	3000	4500
RK-14-27	245.15	245.40	0.25	5500	7000
RK-14-27	245.40	245.50	0.10	4000	4500
RK-14-27	245.50	245.55	0.05	950	1200
RK-14-27	245.55	245.65	0.10	850	950
RK-14-27	245.65	245.95	0.30	1500	1800
RK-14-27	245.95	246.00	0.05	1000	1200
RK-14-27	246.00	246.20	0.20	2200	3000
RK-14-27	246.20	246.40	0.20	1100	1300
RK-14-27	246.40	246.55	0.15	800	1000
RK-14-27	246.55	246.85	0.30	500	850
RK-14-27	246.85	246.95	0.10	1000	1350
RK-14-27	246.95	247.15	0.20	1700	2000
RK-14-27	247.15	247.30	0.15	3500	4500
RK-14-27	247.30	247.50	0.20	6000	7000
RK-14-27	247.50	247.90	0.40	8000	greater than 10,000
RK-14-27	247.90	248.10	0.20	2500	4000
RK-14-27	248.10	248.30	0.20	3000	4200
RK-14-27	248.30	248.65	0.35	2500	3600
RK-14-27	248.65	248.85	0.20	9000	greater than 10,000
RK-14-27	248.85	249.00	0.15	greater than 10,000	greater than 10,000
RK-14-27	249.00	249.20	0.20	1000	1300
RK-14-27	249.20	249.35	0.15	1400	1800
RK-14-27	249.35	249.45	0.10	4000	5000
RK-14-27	249.45	249.65	0.20	5500	8000
RK-14-27	249.65	249.75	0.10	3700	5200
RK-14-27	249.75	249.85	0.10	5500	9000
RK-14-27	249.85	250.05	0.20	greater than 10,000	greater than 10,000
RK-14-27	250.05	250.25	0.20	greater than 10,000	greater than 10,000
RK-14-27	250.25	250.35	0.10	900	1000
RK-14-27	250.35	250.65	0.30	1300	2000
RK-14-27	250.65	250.70	0.05	1000	1150
RK-14-27	250.70	250.85	0.15	850	1000
RK-14-27	250.85	250.95	0.10	700	750
RK-14-27	250.95	251.25	0.30	550	700
RK-14-27	251.25	251.55	0.30	800	1100
RK-14-27	251.55	251.65	0.10	2000	3000
RK-14-27	251.65	251.80	0.15	2500	4000
RK-14-27	251.80	252.00	0.20	greater than 10,000	greater than 10,000
RK-14-27	252.00	252.40	0.40	7000	greater than 10,000
RK-14-27	252.40	252.50	0.10	greater than 10,000	greater than 10,000
RK-14-27	252.50	252.65	0.15	greater than 10,000	greater than 10,000
RK-14-27	252.65	252.95	0.30	7000	greater than 10,000
RK-14-27	252.95	253.15	0.20	4000	8000
RK-14-27	253.15	253.30	0.15	8000	greater than 10,000
RK-14-27	253.30	253.40	0.10	greater than 10,000	greater than 10,000
RK-14-27	253.40	253.50	0.10	greater than 10,000	greater than 10,000
RK-14-27	253.50	253.95	0.45	greater than 10,000	greater than 10,000
RK-14-27	253.95	254.05	0.10	800	1200
RK-14-27	254.05	254.15	0.10	greater than 10,000	greater than 10,000
RK-14-27	254.15	254.25	0.10	greater than 10,000	greater than 10,000
RK-14-27	254.25	254.35	0.10	4000	5000
RK-14-27	254.35	254.50	0.15	7500	greater than 10,000
RK-14-27	254.50	254.70	0.20	2100	3600
RK-14-27	254.70	254.85	0.15	800	1200
RK-14-27	254.85	255.00	0.15	600	750
RK-14-27	255.00	255.70	0.70	less than 500	550

RK-14-27	260.40	260.55	0.15	less than 500	650	0.15
RK-14-27	359.20	359.55	0.35	less than 500	600	0.35
RK-14-27	359.55	360.00	0.45		less than 500	
RK-14-27	360.00	360.45	0.45	550	800	0.45
RK-14-27	435.70	435.90	0.20	600	700	0.2

* "Anomalous" means min 5cm at less than 500 cps (counts per second)

** Total count gamma readings by gamma spectrometer type
RS-125

Natural gamma radiation in drill core reported in this news release was measured in counts per second (cps) using a Radiation Solutions Inc RS-125 gamma-ray spectrometer, and a Mt Sopris 2PGA-1000 natural gamma probe. **The reader is cautioned that total count gamma readings may not be directly or uniformly related to uranium grades of the rock sample measured; they should be used only as a preliminary indication of the presence of radioactive minerals.** All intersections are downhole. Core interval measurements and true thicknesses are yet to be determined.

Qualified Person

Andrew Browne, FAusIMM(CP), NexGen's Vice President, Exploration & Development, is a "qualified person" for the purposes of National Instrument 43-101 – Standards of Disclosure for Mineral Projects, and has reviewed and approved the contents of this news release.

About NexGen

NexGen is a British Columbia corporation with a focus on the acquisition, exploration and development of Canadian uranium projects. NexGen has a highly experienced team of exploration professionals with a track record in the discovery of unconformity-style uranium deposits in Canada.

NexGen owns a portfolio of highly prospective uranium exploration assets in the Athabasca Basin, Saskatchewan, Canada, including, an option to earn a 70% interest in the Radio Project, immediately adjacent to Rio Tinto's Roughrider

Deposit and a 100% interest in Rook 1, immediately adjacent to the north east of Patterson Lake South.

The TSXV has neither approved nor disapproved the contents of this press release. Neither the TSXV nor its Regulation Services Provider (as that term is defined in the policies of the TSXV) accepts responsibility for the adequacy or accuracy of this release.

Forward-Looking Information

This news release contains "forward-looking information" within the meaning of applicable Canadian securities laws. Generally, but not always, forward looking information is identifiable by the use of words such as "will" and "planned" and similar expressions. Forward-looking information is based on the then current expectations, beliefs, assumptions, estimates and forecasts about the Company's business and the industry and markets in which it operates. Such information is not a guarantee of future performance and undue reliance should not be placed on forward-looking information. Assumptions and factors underlying the Company's expectations regarding forward-looking information contained herein include, among others: that general business and economic conditions will not change in a material adverse manner; that financing will be available if and when needed on reasonable terms; that the Company's current exploration activities can be achieved and that its other corporate activities will proceed as expected; that third party contractors, equipment and supplies and governmental and other approvals required to conduct the Company's planned exploration activities will be available on reasonable terms and in a timely manner.

Although the assumptions made by the Company in providing forward-looking information are considered reasonable by management at the time the forward-looking information is given, there can be no assurance that such assumptions will prove to be accurate. Forward-looking information also

involves known and unknown risks and uncertainties and other factors, which may cause actual events or results in future periods to differ materially from any projections of future events or results expressed or implied by such forward-looking information, including, among others: risks related to the availability of financing on commercially reasonable terms and the expected use of the proceeds; changes in the market; potential downturns in economic conditions; industry conditions; actual results of exploration activities being different than anticipated; changes in exploration programs based upon results of exploration; future prices of metal; availability of third party contractors; availability of equipment and supplies; failure of equipment to operate as anticipated; accidents, effects of weather and other natural phenomena and other risks associated with the mineral exploration industry; environmental risks; changes in laws and regulations; community relations; and delays in obtaining governmental or other approvals or financing. There can be no assurance that forward-looking information will prove to be accurate, as actual results and future events could differ materially from those anticipated, estimated or intended. NexGen undertakes no obligation to update or reissue forward-looking information as a result of new information or events except as required by applicable securities laws. The reader is cautioned not to place undue reliance on forward-looking information.