NexGen Announces New Off-Scale Mineralization Intersected at Patterson Corridor East (PCE) and Continued Expansion of High-Grade Sub Domain

28.08.2025 | Newsfile

RK-25-254 and RK-25-256 (both intersecting 2.0 and 2.1 m of off-scale (>61,000 cps)) are located 51 m and 119 m away from RK-25-232 (15 m at 15.9% U_3O_8).

Results highlight the repetition of upgrading high-grade shoots within growing mineralized footprint.

The following new holes intersected broad intercepts of cumulative mineralization (>500cps):

- RK-25-246: 20.5m including 2.5m >10,000cps
- RK-25-247: 18.0m including 2.5m >10,000cps
- RK-25-251: 9.5m
- RK-25-254: 19.5m including 5.0m >10,000cps including 2.0m >61,000cps
  RK-25-256: 10.0m including 3.3m >10,000cps including 2.1m >61,000cps

Vancouver, August 28, 2025 - NexGen Energy Ltd. (TSX: NXE) (NYSE: NXE) (ASX: NXG) ("NexGen" or the "Company") is pleased to announce continued exciting results from the summer drill program at the rapidly advancing PCE. Step-out holes RK-25-254 and RK-25-256 intersected 2.0 m and 2.1 m of cumulative >61,000 counts per second (cps), respectively, located 51 m up-dip and 119 m down-dip of PCE's best hole to date, RK-25-232 (Figures 1 and 2). These represent the best holes from the summer program to date and validate the growth in high-grade continuity. Overall, an upgraded high-grade shoot plunges a minimum 200 m from RK-25-254 to RK-24-222 as part of an emerging interpreted pattern of high-grade shoots spaced 70 m apart (Figures 2 and 3).

Depth of the intense high-grade in RK-25-254, at just 454.4 m depth, ranks among the shallowest intersections of massive uranium ever drilled by NexGen. Mineralization is open 300 m up-dip and completely contained in the competent basement rock, consistent with Arrow. Strong continuity of grade across the mineralized footprint is consistent with Arrow's basement-hosted uranium veins.

Drilling is also extending deeper where strongly developed alteration and structural disruption persist as key indicators of additional mineralization. Further significant expansion potential at PCE remains with mineralization open in most directions.

A total to 21,968.9 m of the planned 43,000m program has been drilled in 2025. Since discovery (see March 11, 2024, news release), 79 drillholes totalling 53,088.9 m have been completed (Figure 4). High-grade growth and overall mineralized extent are the focus with many more targets to be tested across this rapidly developing and growing high-grade system. 48 of the 79 drillholes are mineralized, including 34 intersecting high-grade (>10,000 cps) and 14 intersecting off-scale (>61,000 cps).

Leigh Curyer, Chief Executive Officer, commented: "This program is delivering exactly what we look for in a generational uranium discovery, basement-hosted significant mineralized system, continuity of high-grade mineralization, and growth potential. PCE is evolving in real time into a world-class system in its own right. NexGen's highly prospective land package continues to demonstrate exciting results and unmatched opportunity for Canada to take its place as the number one source of uranium in the world."

Jason Craven, Vice President, Exploration, commented: "NexGen's summer drill program is off to a fantastic

start. PCE continues to deliver intense high-grade uranium at shallower depths than the world class Arrow deposit only 3.5km away. Early summer drilling results are building on emerging interpretations that include systematic repetition of high-grade shoots within the overall mineralized footprint, indicating potential for significant expansion at PCE."

Figure 1: RK-25-254 and RK-25-256 core photos of focused vein intercepts 170 m apart from one another, each having 2 m of massive replacement style uranium mineralization, with elevated radioactivity above and below what is shown; yellow outlines >1,000 cps, red outlines >10,000 cps, >61,000 cps outlined in purple.

To view an enhanced version of this graphic, please visit:
https://images.newsfilecorp.com/files/1745/264271_98f895367483ba0e_002full.jpg

Figure 2: Close-up of long section view of PCE high-grade subdomain around RK-25-232 (15.0 m at 15.9% U_3O_8)

To view an enhanced version of this graphic, please visit:
https://images.newsfilecorp.com/files/1745/264271_98f895367483ba0e_003full.jpg

Figure 3: Interpreted model of mineralization at PCE (as of this release) with newly interpreted high-grade shoots shown; view is a long section that looks perpendicular to the primary mineralized plane; total mineralized footprint in orange and the high-grade subdomains in red

To view an enhanced version of this graphic, please visit:
https://images.newsfilecorp.com/files/1745/264271_98f895367483ba0e_004full.jpg

Figure 4: Interpreted 3D model of PCE shown looking northwest (across strike) and northeast (along strike)

To view an enhanced version of this graphic, please visit:
https://images.newsfilecorp.com/files/1745/264271_98f895367483ba0e_005full.jpg

Table 1: 2025 Spectrometer results from summer drilling

Drillhole					Handheld Spectrometer Results (RS-125)			
Hole ID	Azimuth	Dip	Total Depth (m)	Unconformity Depth (m)	From (m)	To (m)	Width (m)	CPS Range
RK-25-245	330	-70	744.0	111.5	695.0	695.5	0.5	<500
					695.5	696.0	0.5	<500 - 950
					696.0	696.5	0.5	< 500 - 680
					706.5	707.0	0.5	<500 - 600
					707.0	707.5	0.5	<500 - 900
					722.5	723.0	0.5	<500
					723.0	723.5	0.5	<500 - 560
					724.0	724.5	0.5	<500 -560
					724.5	725.0	0.5	<500
					725.0	725.5	0.5	<500 - 1370
RK-25-246	270	-70	525.0	124.5	216.5	217.0	0.5	<500 - 1000
					217.5	218.0	0.5	<500 - 720
					218.0	218.5	0.5	<500 - 580
					223.5	224.5	1.0	<500
					229.0	229.5	0.5	<500 - 840
					331.0	331.5	0.5	<500
					332.0	332.5	0.5	<500
					333.5	334.0	0.5	<500
					337.5	338.5	1.0	<500
					339.0	339.5	0.5	<500 - 800
					339.5	340.0	0.5	<500 - 550

340.0	340.5	0.5	1000 - 7000
340.5	341.0	0.5	<500 - 800
341.0	341.5	0.5	<500 - 1500
341.5	342.0	0.5	<500 - 650
342.0	342.5	0.5	<500
343.0	344.0	1.0	<500
368.0	368.5	0.5	<500
369.0	370.5	1.5	<500
376.0	376.5	0.5	<500
376.5	377.0	0.5	<500 - 4300
377.0	377.5	0.5	<500 - 3500
377.5	378.5	1.0	<500
378.5	379.0	0.5	<500 - 2200
379.0	379.5	0.5	<500 - 1900
379.5	380.0	0.5	<500 - 12000
380.0	380.5	0.5	<500 - 1900
380.5	381.0	0.5	<500 - 7300
381.0	381.5	0.5	1000 - 16000
381.5	382.0	0.5	9700 - 18000
382.0	382.5	0.5	3000 - 6000
382.5	383.0	0.5	950 - 7200
383.0	383.5	0.5	1000 - 6000
383.5	384.0	0.5	2900 - 6000
384.0	384.5	0.5	1000 - 24000
384.5	385.0	0.5	1200 - 23000
385.0	385.5	0.5	840 - 3800
385.5	386.0	0.5	<500 - 2300
386.0	386.5	0.5	<500 - 770
386.5	387.0	0.5	<500- 860
387.0	387.5	0.5	<500 - 720
387.5	388.0	0.5	<500 - 680
388.0	388.5	0.5	<500 - 730
388.5	389.0	0.5	<500 - 830
389.0	389.5	0.5	<500 - 830
389.5	390.0	0.5	<500 - 1100
390.0	390.5	0.5	<500 - 1200
390.5	391.0	0.5	<500
391.5	393.0	1.5	<500
393.0	393.5	0.5	<500 - 530
393.5	394.0	0.5	<500 - 2300
394.0	394.5	0.5	<500 - 1000
394.5	395.0	0.5	<500 - 600
395.0	396.0	1.0	<500
396.5	397.0	0.5	<500 - 570
398.0	398.5	0.5	<500 - 1200
398.5	399.0	0.5	<500
400.0	400.5	0.5	<500 - 1400
400.5	401.0	0.5	<500 - 1700
401.5	402.0	0.5	<500
402.0	402.5	0.5	<500 - 880
402.5	403.0	0.5	<500 - 1700
403.0	403.5	0.5	<500 - 1800
403.5	404.0	0.5	<500 - 1200
404.0	404.5	0.5	<500
404.5	405.0	0.5	<500 - 890
405.0	405.5	0.5	<500
424.0	426.0	2.0	<500
445.5	446.5	1.0	<500

					450.5	451.0	0.5	<500
					460.5	461.0	0.5	<500
					461.0	461.5	0.5	<500 - 1300
					461.5	462.0	0.5	<500 - 4000
					479.0	479.5	0.5	<500 - 1380
					479.5	480.0	0.5	<500 - 1300
					488.5	489.0	0.5	<500 - 580
					489.0	489.5	0.5	<500
RK-25-247	330	-70	738.0	114.4	269.5	270.0	0.5	<500
					572.0	572.5	0.5	<500
					572.5	573.0	0.5	<500 - 550
					573.0	573.5	0.5	<500 - 600
					573.5	574.0	0.5	<500 - 1500
					574.0	574.5	0.5	<500
					574.5	575.0	0.5	<500 -550
					575.0	575.5	0.5	<500 - 900
					575.5	576.0	0.5	500 - 1500
					576.0	576.5	0.5	<500 - 2300
					576.5	577.0	0.5	<500 - 900
					577.0	577.5	0.5	550 - 4000
					577.5	578.0	0.5	<500 - 30000
					578.0	578.5	0.5	<500 - 2000
					578.5	579.0	0.5	<500
					579.0	579.5	0.5	<500 - 3000
					579.5	580.0	0.5	<500 - 4500
					580.0	580.5	0.5	<500 - 3000
					580.5	581.0	0.5	<500 - 4500
					581.0	581.5	0.5	650 - 5000
					581.5	582.0	0.5	<500 - 31000
					582.0	582.5	0.5	<500
					582.5	583.0	0.5	<500 - 4500
					583.5	584.0	0.5	<500
					584.0	584.5	0.5	<500 - 700
					584.5	568.5	-16.0	<500
					586.5	587.0	0.5	<500 - 800
					587.0	587.5	0.5	<500 - 550
					587.5	588.0	0.5	<500 - 550
					588.0	589.0	1.0	<500
					589.0	589.5	0.5	<500 - 600
					589.5	590.0	0.5	500 - 800
					590.0	590.5	0.5	<500
					591.0	591.5	0.5	<500 - 710
					591.5	592.0	0.5	<500 - 820
					592.0	592.5	0.5	<500 - 2700
					592.5	593.0	0.5	<500 - 1900
					593.0	593.5	0.5	<500 - 970
					593.5	594.0	0.5	2200 - 11000
					594.0	594.5	0.5	1500 - 20000
					594.5	595.0	0.5	560 - 16000
					595.0	595.5	0.5	<500 - 5800
					595.5	596.5	1.0	<500
					596.5	597.0	0.5	<500 - 3300
					597.0	597.5	0.5	<500 - 660
					597.5	598.5	1.0	<500
					599.5	600.0	0.5	<500
					601.0	601.5	0.5	<500 - 670
					601.5	602.0	0.5	<500 - 1100
					602.0	602.5	0.5	<500 - 1100

					602.5	603.0	0.5	<500
					603.0	603.5	0.5	<500 - 2000
					603.5	604.0	0.5	<500
					604.0	604.5	0.5	<500 - 1100
					604.5	605.0	0.5	<500 - 2000
					605.0	605.5	0.5	<500 - 900
					605.5	606.0	0.5	<500
					606.0	606.5	0.5	<500 - 900
					606.5	607.0	0.5	<500 - 2000
					607.0	607.5	0.5	600 - 3700
					607.5	608.0	0.5	<500 - 1700
					608.0	608.5	0.5	<500 - 600
					608.5	609.0	0.5	<500 - 700
					610.0	610.5	0.5	<500
					611.0	612.0	1.0	<500
					613.5	614.5	1.0	<500
RK-25-248	283	-69	501.0	123.3	202.0	202.5	0.5	<500
					339.0	339.5	0.5	<500
					344.0	344.5	0.5	<500-600
					346.0	346.5	0.5	<500 - 730
					346.5	347.0	0.5	<500 - 520
					350.5	351.0	0.5	<500
					352.0	352.5	0.5	<500
					352.5	353.0	0.5	<500 -520
					353.0	353.5	0.5	<500
					357.0	357.5	0.5	<500 - 750
					358.0	358.5	0.5	<500
					366.0	366.5	0.5	<500
					382.5	383.5	1.0	<500
					383.5	384.0	0.5	<500 - 2000
					384.5	385.0	0.5	<500 - 900
					388.0	388.5	0.5	<500
					390.0	391.0	1.0	<500
					391.5	392.0	0.5	<500
					392.0	392.5	0.5	<500 - 610
					393.0	393.5	0.5	<500
					395.5	396.0	0.5	<500
					396.0	396.5	0.5	<500 - 800
					396.5	397.0	0.5	<500 - 800
					398.0	398.5	0.5	<500
					400.5	401.0	0.5	<500
					401.0	401.5	0.5	<500 -650
					402.0	402.5	0.5	<500
					402.5	403.0	0.5	<500 - 900
					403.5	405.0	1.5	<500
					409.5	410.5	1.0	<500
					411.0	411.5	0.5	<500
					433.5	435.5	2.0	<500
					436.0	437.0	1.0	<500
					440.5	441.0	0.5	<500
					442.0	443.0	1.0	<500
					443.0	443.5	0.5	<500 - 800
RK-25-249	340	-70	681.0	106.1	626.5	627.0	0.5	<500 - 700
					628.0	628.5	0.5	<500 - 1000
					628.5	629.0	0.5	<500 - 900
					631.0	631.5	0.5	<500 - 820
					637.5	638.0	0.5	<500
					640.5	641.0	0.5	<500 - 2300

					641.0	641.5	0.5	1200 - 16000
					641.5	642.0	0.5	600 - 3200
					642.0	642.5	0.5	<500 - 970
					642.5	643.0	0.5	<500
					645.5	646.5	1.0	<500
					648.5	649.0	0.5	<500
					650.0	650.5	0.5	<500
					650.5	651.0	0.5	<190 - 1000
					651.0	651.5	0.5	<500
					651.5	652.0	0.5	<500 - 2500
					652.0	652.5	0.5	<500 - 540
					653.0	653.5	0.5	<500 - 2200
					653.5	654.0	0.5	<500 - 920
					654.0	654.5	0.5	<500 - 1000
					654.5	655.0	0.5	<500 - 1200
					655.0	655.5	0.5	<500
					655.5	656.0	0.5	<500 - 730
					656.0	656.5	0.5	<500 - 4400
					656.5	657.0	0.5	<500 - 1300
					657.0	657.5	0.5	<500 - 860
					657.5	658.0	0.5	<500
					658.0	658.5	0.5	<500-820
					658.5	659.0	0.5	<500
					661.5	662.0	0.5	<500 - 2500
					662.0	662.5	0.5	<500 - 3700
					668.5	669.0	0.5	<500 - 700
					669.0	669.5	0.5	<500 - 410
					669.5	670.0	0.5	<500 - 4700
					670.0	670.5	0.5	<500
					670.5	671.0	0.5	<500 - 1000
					672.5	673.0	0.5	<500 - 770
					673.5	674.0	0.5	<500
RK-25-250	308	-70	726.0	114.8	577.0	577.5	0.5	<500
					586.5	587.0	0.5	<500
					587.0	587.5	0.5	<500 - 950
					587.5	588.0	0.5	600 -1200
					588.0	588.5	0.5	<500 - 3850
					588.5	589.0	0.5	<500 - 650
					592.0	592.5	0.5	<500 - 1950
					592.5	593.0	0.5	2280 - 5000
					593.0	593.5	0.5	<500 - 730
					594.0	594.5	0.5	<500
					594.5	595.0	0.5	<500 - 770
					595.0	595.5	0.5	<500 - 640
					595.5	596.0	0.5	<500
					596.0	596.5	0.5	<500 - 580
					596.5	597.0	0.5	700 - 1350
					597.0	597.5	0.5	<500 - 850
					597.5	598.0	0.5	<500 - 740
					599.0	599.5	0.5	<500
					599.5	600.0	0.5	<500 - 770
					600.0	600.5	0.5	<500 - 1160
					600.5	601.0	0.5	<500 - 3350
					601.5	602.0	0.5	800 - 2750
					602.0	602.5	0.5	<500 - 1850
					602.5	603.0	0.5	<500 - 510
					603.0	603.5	0.5	<500 - 1150
					603.5	604.0	0.5	<500 - 1000

					604.0	604.5	0.5	1000 - 2100
					604.5	605.0	0.5	1100 - 4500
					605.0	605.5	0.5	1100 - 4300
					605.5	606.0	0.5	<500
					606.5	608.0	1.5	<500
					608.0	608.5	0.5	<500 - 1800
					608.5	609.5	1.0	<500
					609.5	610.0	0.5	<500 - 1800
					610.0	611.0	1.0	<500
					611.0	611.5	0.5	<500 - 800
					612.0	612.5	0.5	<500
					612.5	613.0	0.5	<500 - 750
					613.0	613.5	0.5	<500 - 1200
					613.5	614.0	0.5	<500 - 1500
					614.0	614.5	0.5	<500 - 8700
					614.5	615.0	0.5	<500 - 2100
					615.0	615.5	0.5	4000 - 14000
					615.5	616.0	0.5	<500 - 5100
					616.0	616.5	0.5	1500 - 3000
					618.0	618.5	0.5	<500 - 1100
					618.5	619.0	0.5	<500 - 1900
					619.0	619.5	0.5	<500 - 800
					619.5	620.0	0.5	1200 - 40000
					620.0	620.5	0.5	<500
					620.5	621.0	0.5	<500 - 1100
					621.0	621.5	0.5	600 - 1700
					621.5	622.0	0.5	600 - 2600
					622.0	622.5	0.5	700 - 2100
					622.5	623.0	0.5	800 - 2000
					623.0	623.5	0.5	600 - 2000
					623.5	624.0	0.5	800 - 8800
					624.0	624.5	0.5	<500 - 700
					630.0	630.5	0.5	<500
					638.0	638.5	0.5	<500 - 1200
					643.5	647.0	3.5	<500
					647.5	648.0	0.5	<500
					654.5	660.5	6.0	<500
					660.5	661.0	0.5	<500 - 6000
					663.0	663.5	0.5	<500 - 8500
					665.0	665.5	0.5	<500 - 750
					666.0	666.5	0.5	700 - 1800
					666.5	667.0	0.5	<500 - 6100
					667.5	668.0	0.5	<500 - 700
					668.0	668.5	0.5	<500 - 700
					668.5	669.0	0.5	<500 - 2400
					669.0	669.5	0.5	<500 - 770
					670.0	670.5	0.5	<500
					670.5	671.0	0.5	<500 - 575
					671.0	671.5	0.5	<500 - 1400
RK-25-251	302	-69	576.3	119.6	282.0	282.5	0.5	<500
					376.5	378.0	1.5	<500
					379.5	380.0	0.5	<500
					380.5	381.0	0.5	<500
					381.5	382.0	0.5	<500 - 530
					382.0	382.5	0.5	<500 - 530
					384.0	385.5	1.5	<500
					385.5	386.0	0.5	<500 - 510
					386.0	387.5	1.5	<500

					388.5	389.0	0.5	<500
					392.5	393.0	0.5	<500 - 2000
					393.0	393.5	0.5	<500 - 7600
					393.5	394.0	0.5	<500 - 740
					394.0	394.5	0.5	<500 - 5100
					394.5	395.0	0.5	<500 - 1440
					395.5	396.0	0.5	<500
					404.0	404.5	0.5	<500
					404.5	405.0	0.5	<500 - 920
					405.0	405.5	0.5	<500 - 2100
					405.5	406.0	0.5	500 - 2900
					406.0	406.5	0.5	4000 - 8000
					406.5	407.0	0.5	5000 - 12000
					407.0	407.5	0.5	3000 - 15000
					407.5	408.0	0.5	15000 - 33000
					408.0	408.5	0.5	4000 - 31000
					408.5	409.0	0.5	<500 - 620
					409.0	409.5	0.5	530 - 2000
					409.5	410.0	0.5	<500 - 1400
					410.0	410.5	0.5	<500 - 840
					410.5	411.0	0.5	<500 - 1200
					411.0	411.5	0.5	<500
					420.0	421.0	1.0	<500
					432.5	433.0	0.5	<500
					436.0	436.5	0.5	<500
					438.0	438.5	0.5	<500
					439.5	440.0	0.5	<500
					446.5	447.5	1.0	<500
					448.0	448.5	0.5	<500
					452.0	452.5	0.5	<500
					460.0	460.5	0.5	<500
					461.0	461.5	0.5	<500 - 3000
					468.0	468.5	0.5	<500
					469.5	470.0	0.5	<500 - 1000
					470.0	470.5	0.5	<500 - 1500
					470.5	471.0	0.5	<500
					474.5	475.0	0.5	<500
RK-25-252	275	-68	663.0	120.8	515.5	516.0	0.5	<500
					528.5	529.0	0.5	<500
					531.0	534.0	3.0	<500
					535.0	535.5	0.5	<500
					546.5	547.0	0.5	<500 - 820
					547.0	547.5	0.5	<500 - 670
					547.5	548.0	0.5	<500 - 640
					548.5	549.5	1.0	<500
					549.5	550.0	0.5	<500 - 510
					550.0	550.5	0.5	<500 - 1800
					550.5	551.0	0.5	<500 - 880
					551.0	551.5	0.5	<500 - 1300
					551.5	552.0	0.5	<500 - 510
					552.0	552.5	0.5	500 - 1190
					552.5	553.0	0.5	850 - 1150
					553.0	553.5	0.5	660 - 1400
					553.5	554.0	0.5	2400 - 20000
					554.0	554.5	0.5	<500 - 1900
					554.5	555.0	0.5	<500 - 600
					555.0	555.5	0.5	550 - 1400
					555.5	556.0	0.5	<500 - 550

					556.0	556.5	0.5	<500
					556.5	557.0	0.5	800 - 1800
					557.0	557.5	0.5	<500
					557.5	558.0	0.5	<500 - 1080
					558.0	559.0	1.0	<500
					559.5	560.0	0.5	<500 -510
					560.0	560.5	0.5	<500 - 550
					560.5	561.0	0.5	<500
					561.0	561.5	0.5	<500 - 4200
					563.0	563.5	0.5	<500 - 2200
					563.5	564.0	0.5	690 - 1750
					564.0	564.5	0.5	<500
					564.5	565.0	0.5	<500 - 1200
					567.0	567.5	0.5	<500
					568.5	569.5	1.0	<500
					570.0	570.5	0.5	<500
					572.5	573.0	0.5	<500
					589.0	589.5	0.5	<500 - 640
					590.5	591.0	0.5	<500
					593.5	594.0	0.5	<500 - 540
					594.0	594.5	0.5	<500
					594.5	595.0	0.5	<500 - 1675
					595.0	595.5	0.5	<500 - 600
					595.5	596.0	0.5	<500
					598.5	599.0	0.5	<500
					603.0	603.5	0.5	<500 -1200
					603.5	604.0	0.5	<500 - 1500
					604.5	605.0	0.5	<500 - 630
					605.0	605.5	0.5	<500
RK-25-253	340	-70	657.0	116.8	No Significant Intersections.			
RK-25-254	275	-65	582.0	128.0	404.5	405.0	0.5	<500
					410.5	411.0	0.5	<500
					419.5	420.0	0.5	<500
					428.0	428.5	0.5	<500
					434.5	435.0	0.5	<500
					438.0	438.5	0.5	<500
					439.0	439.5	0.5	<500
					445.5	446.0	0.5	<500
					448.5	449.5	1.0	<500
					449.5	450.5	1.0	<500 - 720
					450.5	451.0	0.5	580 - 1200
					451.0	453.0	2.0	<500 - 700
					453.0	453.5	0.5	<500 - 1400
					453.5	454.0	0.5	<500 - 2200
					454.0	454.4	0.4	700 - 18000
					454.4	454.9	0.5	>61000
					454.9	455.0	0.1	40000 - 52000
					455.0	455.5	0.5	12000 - 43000
					455.5	455.7	0.2	32000 - 50000
					455.7	455.9	0.2	>61000
					455.9	456.0	0.1	13000 - 43000
					456.0	457.2	1.2	>61000
					457.2	457.4	0.2	17000 - 40000
					457.4	457.5	0.1	>61000
					457.5	458.0	0.5	3500 - 32000
					458.0	459.5	1.5	900 - 1700
					462.5	463.0	0.5	<500
					476.5	477.0	0.5	<500

					480.0	481.0	1.0	<500 - 700
					483.0	483.5	0.5	<500 - 540
					483.5	484.0	0.5	<500 - 2700
					484.0	484.5	0.5	<500 - 550
					484.5	485.0	0.5	550 - 770
					485.5	486.0	0.5	<500 - 1100
					486.0	487.0	1.0	<500 - 500
					487.5	488.0	0.5	<500
					488.0	488.5	0.5	<500 - 1200
					489.0	491.0	2.0	<500 - 1200
					505.0	505.5	0.5	<500 - 2300
					505.5	506.0	0.5	700 - 1300
					506.0	507.0	1.0	<500 - 650
					509.0	509.5	0.5	<500
					522.0	522.5	0.5	<500 - 1300
					536.5	537.0	0.5	<500 - 14000
					537.0	538.5	1.5	<500 - 550
					541.5	542.0	0.5	<500 - 20000
RK-25-254c1	275	-65	564.0	N/A	395.5	396.0	0.5	<500 - 530
					396.5	397.0	0.5	<500 - 18000
					407.0	407.5	0.5	<500 - 510
					409.5	410.0	0.5	<500
					415.5	416.0	0.5	<500
					421.5	422.0	0.5	<500 - 710
					422.0	422.5	0.5	<500 - 690
					423.0	423.5	0.5	<500
					434.0	434.5	0.5	<500
					434.5	435.0	0.5	<500
					435.0	435.5	0.5	<500 - 880
					436.0	436.5	0.5	<500 - 990
					436.5	437.0	0.5	<500 - 2750
					437.0	437.5	0.5	<500 - 1220
					437.5	438.0	0.5	<500 - 1020
					438.0	438.5	0.5	<500
					438.5	439.0	0.5	<500 - 4220
					439.0	439.5	0.5	<500 - 770
					439.5	440.0	0.5	<500 - 1990
					440.0	440.5	0.5	<500 - 1760
					440.5	441.0	0.5	<500 - 1990
					441.0	441.5	0.5	<500 - 4600
					441.5	442.0	0.5	<500 - 2400
					442.0	442.5	0.5	<500 - 1100
					444.5	445.0	0.5	<500
					445.0	445.5	0.5	<500
					447.0	447.5	0.5	<500
					447.5	448.0	0.5	<500
					448.0	448.5	0.5	<500
					449.5	450.0	0.5	<500 - 6900
					450.0	450.5	0.5	<500
					450.5	451.0	0.5	<500
					451.0	451.5	0.5	<500 - 990
					453.5	454.0	0.5	<500 - 880
					454.0	454.5	0.5	<500 - 770
					456.0	456.5	0.5	<500
					456.5	457.0	0.5	<500
					457.0	457.5	0.5	<500
					460.0	460.5	0.5	<500
					461.0	461.5	0.5	<500

					461.5	462.0	0.5	<500
					462.0	462.5	0.5	<500 - 1070
					462.5	463.0	0.5	<500
					463.0	463.5	0.5	<500 - 610
					468.5	469.0	0.5	<500 - 520
					469.0	469.5	0.5	<500
					472.0	472.5	0.5	<500
					472.5	473.0	0.5	<500 - 520
					473.0	473.5	0.5	<500
					481.5	482.0	0.5	<500 - 7300
					482.0	482.5	0.5	<500 - 3200
					482.5	483.0	0.5	<500 - 1590
					483.0	483.5	0.5	<500 - 4600
					483.5	484.0	0.5	<500 - 980
					484.0	484.5	0.5	<500
					484.5	485.0	0.5	<500 - 980
					485.0	485.5	0.5	<500 - 540
					485.5	486.0	0.5	<500
					486.0	486.5	0.5	<500 - 1700
					486.5	487.0	0.5	<500 - 6070
					487.0	487.5	0.5	<500 - 1900
					487.5	488.0	0.5	<500 - 1360
					488.0	488.5	0.5	<500 - 1480
					488.5	489.0	0.5	<500 - 10300
					489.0	489.5	0.5	<500 - 2900
					489.5	490.0	0.5	<500 - 6700
					490.0	490.5	0.5	<500 - 3400
					490.5	491.0	0.5	<500 - 23200
					491.0	491.5	0.5	<500 - 5300
					491.5	492.0	0.5	<500 - 570
					492.0	492.5	0.5	<500
					492.5	493.0	0.5	<500 - 900
					493.0	493.5	0.5	<500 - 780
					495.5	496.0	0.5	<500
					496.0	496.5	0.5	<500
					497.0	497.5	0.5	<500 - 540
					498.5	499.0	0.5	<500 - 830
					499.0	499.5	0.5	<500 - 720
					499.5	500.0	0.5	<500 - 680
					500.0	500.5	0.5	<500 - 2300
					500.5	501.0	0.5	<500 - 910
					503.0	503.5	0.5	<500 - 610
					503.5	504.0	0.5	<500
					504.0	504.5	0.5	<500
					504.5	505.0	0.5	<500 - 760
					505.0	505.5	0.5	<500
RK-25-256	292	-65.5	696.0	116.9	510.5	511.0	0.5	<500 - 540
					525.5	526.0	0.5	<500 - 510
					587.5	588.0	0.5	540 - 2010
					588.0	588.5	0.5	<500
					588.5	589.0	0.5	<500
					589.0	589.5	0.5	<500 - 3700
					589.5	590.0	0.5	<500
					590.0	590.5	0.5	<500 - 810
					590.5	591.0	0.5	1100 - 8700
					591.0	591.5	0.5	800 - 2300
					591.5	591.8	0.3	1900 - 23000
					591.8	592.7	0.9	>61000

592.7	592.9	0.2	3900 - 8300
592.9	593.5	0.6	>61000
593.5	593.7	0.2	800 - 33000
593.7	594.3	0.6	>61000
594.3	594.5	0.2	<500 - 16000
594.5	595.0	0.5	<500
596.0	596.5	0.5	1100 - 37000
596.5	597.0	0.5	<500 - 620
597.5	598.0	0.5	<500
599.5	600.0	0.5	<500
600.0	600.5	0.5	<500
602.5	603.0	0.5	<500 - 790
603.5	604.0	0.5	<500
607.0	607.5	0.5	<500
608.0	608.5	0.5	<500
608.5	609.0	0.5	<500
609.0	609.5	0.5	<500
610.0	610.5	0.5	<500
611.0	611.5	0.5	900 - 4400
611.5	612.0	0.5	<500 - 800
612.0	612.5	0.5	<500
612.5	613.0	0.5	<500 - 6250
613.0	613.5	0.5	<500 - 9100
613.5	614.0	0.5	<500 - 530
615.5	616.0	0.5	<500
616.0	616.5	0.5	<500 - 1300
616.5	617.0	0.5	<500
617.5	618.0	0.5	<500 - 2700
620.5	621.0	0.5	<500
621.0	621.5	0.5	<500
627.0	627.5	0.5	<500
627.5	628.0	0.5	<500
628.0	628.5	0.5	<500
628.5	629.0	0.5	<500

- All depths and intervals are meters downhole, true thicknesses are yet to be determined.
- "Off-scale" refers to >61,000 cps (counts per second) readings by gamma spectrometer type RS-125.
- "Anomalous" means >500 cps readings by gamma spectrometer type RS-120.
- Where "CPS Range" is <500 cps, this refers to local low radioactivity within the overall interval.
- Unconformity of 'N/A' denotes a lack of visible contact between Athabasca sandstone and basement rock.
- Maximum internal dilution 2.0 m downhole.
- All depths and intervals are meters downhole, true thicknesses are yet to be determined. Resource modelling in conjunction with an updated mineral resource estimate is required before true thicknesses can be determined.

About NexGen

NexGen Energy is a Canadian company focused on delivering clean energy fuel for the future. The Company's flagship Rook I Project is being optimally developed into the largest low-cost producing uranium mine globally, incorporating the most elite environmental and social governance standards. The Rook I Project is supported by an N.I. 43-101 compliant Feasibility Study, which outlines the elite environmental performance and industry-leading economics. NexGen is led by a team of experienced uranium and mining industry professionals with expertise across the entire mining life cycle, including exploration, financing, project engineering and construction, operations and closure. NexGen is leveraging its proven experience to deliver a Project that leads the entire mining industry socially, technically and environmentally. The Project and prospective portfolio in northern Saskatchewan will provide generational, long-term economic, environmental, and social benefits for Saskatchewan, Canada, and the world.

NexGen is listed on the Toronto Stock Exchange, the New York Stock Exchange under the ticker symbol

"NXE," and on the Australian Securities Exchange under the ticker symbol "NXG," providing access to global investors to participate in NexGen's mission of solving three major global challenges in decarbonization, energy security and access to power. The Company is headquartered in Vancouver, British Columbia, with its primary operations office in Saskatoon, Saskatchewan.

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Technical Disclosure*

All technical information in this news release has been reviewed and approved by Jason Craven, NexGen's Vice President, Exploration, a qualified person under National Instrument 43-101.

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 spectrometer. 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.

A technical report in respect of the FS is filed on SEDAR (www.sedarplus.ca) and EDGAR (www.sec.gov/edgar.shtml) and is available for review on NexGen Energy's website (www.nexgenenergy.ca).

Cautionary Note to U.S. Investors

This news release includes Mineral Reserves and Mineral Resources classification terms that comply with reporting standards in Canada and the Mineral Reserves and the Mineral Resources estimates are made in accordance with NI 43-101. NI 43-101 is a rule developed by the Canadian Securities Administrators that establishes standards for all public disclosure an issuer makes of scientific and technical information concerning mineral projects. These standards differ from the requirements of the Securities and Exchange Commission ("SEC") set by the SEC's rules that are applicable to domestic United States reporting companies. Consequently, Mineral Reserves and Mineral Resources information included in this news release is not comparable to similar information that would generally be disclosed by domestic U.S. reporting companies subject to the reporting and disclosure requirements of the SEC Accordingly, information concerning mineral deposits set forth herein may not be comparable with information made public by companies that report in accordance with U.S. standards.

Forward-Looking Information

The information contained herein contains "forward-looking statements" within the meaning of applicable United States securities laws and regulations and "forward-looking information" within the meaning of applicable Canadian securities legislation. "Forward-looking information" includes, but is not limited to, statements with respect to mineral reserve and mineral resource estimates, the 2021 Arrow Deposit, Rook I Project and estimates of uranium production, grade and long-term average uranium prices, anticipated effects of completed drill results on the Rook I Project, planned work programs, completion of further site investigations and engineering work to support basic engineering of the project and expected outcomes. Generally, but not always, forward-looking information and statements can be identified by the use of words such as "plans", "expects", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates", or "believes" or the negative connotation thereof or variations of such words and phrases or state that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved" or the negative connotation thereof. Statements relating to "mineral resources" are deemed to be forward-looking information, as they involve the implied assessment that, based on certain estimates and assumptions, the mineral resources described can be profitably produced in the future.

Forward-looking information and statements are based on the then current expectations, beliefs, assumptions, estimates and forecasts about NexGen's business and the industry and markets in which it operates. Forward-looking information and statements are made based upon numerous assumptions, including among others, that the mineral reserve and resources estimates and the key assumptions and parameters on which such estimates are based are as set out in this news release and the technical report for the property , the results of planned exploration activities are as anticipated, the price and market supply of uranium, the cost of planned exploration activities, that financing will be available if and when needed and on reasonable terms, that third party contractors, equipment, supplies and governmental and other approvals required to conduct NexGen's planned exploration activities will be available on reasonable terms and in a timely manner and that general business and economic conditions will not change in a material adverse manner. Although the assumptions made by the Company in providing forward looking information or making forward looking statements are considered reasonable by management at the time, there can be no assurance that such assumptions will prove to be accurate in the future.

Forward-looking information and statements also involve known and unknown risks and uncertainties and other factors, which may cause actual results, performances and achievements of NexGen to differ materially from any projections of results, performances and achievements of NexGen expressed or implied by such forward-looking information or statements, including, among others, the existence of negative operating cash flow and dependence on third party financing, uncertainty of the availability of additional financing, the risk that pending assay results will not confirm previously announced preliminary results, conclusions of economic valuations, the risk that actual results of exploration activities will be different than anticipated, the cost of labour, equipment or materials will increase more than expected, that the future price of uranium will decline or otherwise not rise to an economic level, the appeal of alternate sources of energy to uranium-produced energy, that the Canadian dollar will strengthen against the U.S. dollar, that mineral resources and reserves are not as estimated, that actual costs or actual results of reclamation activities are greater than expected, that changes in project parameters and plans continue to be refined and may result in increased costs, of unexpected variations in mineral resources and reserves, grade or recovery rates or other risks generally associated with mining, unanticipated delays in obtaining governmental, regulatory or First Nations approvals, risks related to First Nations title and consultation, reliance upon key management and other personnel, deficiencies in the Company's title to its properties, uninsurable risks, failure to manage conflicts of interest, failure to obtain or maintain required permits and licences, risks related to changes in laws, regulations, policy and public perception, as well as those factors or other risks as more fully described in NexGen's Annual Information Form dated March 6, 2024 filed with the securities commissions of all of the provinces of Canada except Quebec and in NexGen's 40-F filed with the United States Securities and Exchange Commission, which are available on SEDAR at www.sedarplus.ca and Edgar at www.sec.gov.

Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in the forward-looking information or statements or implied by forward-looking information or statements, there may be other factors that cause results not to be as anticipated, estimated or intended. Readers are cautioned not to place undue reliance on forward-looking information or statements due to the inherent uncertainty thereof.

There can be no assurance that forward-looking information and statements will prove to be accurate, as actual results and future events could differ materially from those anticipated, estimated or intended. Accordingly, readers should not place undue reliance on forward-looking statements or information. The Company 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.

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