

Press Release

Value Chain Solutions - Heartland Upgrader - Refinery

Calgary, Alberta, July 30, 2019

Value Chain Solutions (“ VCS “), a member of Value Creation Group (“ VCG “), has informed Alberta Government Authorities and Alberta Industrial Heartland Association, of its intention to consider the option to:

- **Accelerate** the project implementation of the VCS – Heartland Complex (an Upgrader with Specialty Product Refining), up **to the full approved capacity of 188 kbpd** (instead of the previously planned 77.5 kbpd, as Phase 1).
- **Broaden its Product Portfolio** to provide:
 - **Clean, Premium Crudes** to best-fit global refining industry, and enable enhanced refinery performance economically and environmentally;
 - **High Quality / Value Specialty Products** for superior environmental performance, for emerging and fast growth markets.

The above Accelerated / Expanded Commercialization would be achieved fully within the Approved Project Scope by Alberta Regulatory Authorities. We expect the eventual emissions will be below the approved limits.

The initial Phase 1 project, as previously submitted for “Partial Upgrading Program”, under Alberta Economic Diversification Programs, remains an integral part of the expanded project, and meets and exceeds Program objectives.

VCG is considering this enhanced commercialization option in due consideration of potential market interests, based on our business development effort. (VCG has received Expression of Interest from major players, for bitumen supply and product off-take, for beyond its originally planned capacity).

In addition, VCG is well advanced in the preparation of regulatory applications for further expansion of VCS-Heartland Complex and a proposed Regional Upgrader in oil sands resource region. When fully implemented, these projects would have target capacity of 1 million bpd.

In essence, VCG actualizes (expeditiously) the Alberta Government Vision:

***Alberta – the Destination of Choice for Global Energy Investment
– catapulting Economy and Employment ,***

remarked Dr. Columba Yeung, Chairman of Value Creation Group. *Government sponsorship, at this critical juncture of transformative entrepreneurial development, remains a Pivotal Catalyst for Investor Confidence.*

Separately, VCG has submitted an Expression of Interest for the BC Refinery (a Coastal Clean Oil Refinery), to the Right Honourable Prime Minister of Canada and the Honourable Premier of British Columbia.

With implementation of the Projects, leveraging on VCG proprietary technologies, there will be step change reductions in GHG emission and environmental footprint while providing cleaner energy, far more efficient utilization of pipelines (existing and new) and rail, and providing significant added-value and employment opportunities for Alberta and British Columbia, and the rest of Canada.

For further information please contact Iva Georgieva at 403-539-4544 or email Iva.Georgieva@vctek.com and visit the Value Creation Inc. website at <http://www.vctek.com/> or the Value Chain Solutions Inc. website at <https://www.vcsb2co.com>.

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