

TECHNICAL ADVISOR’S SUMMARY and RECOMMENDATION

LRC-LXXVII (77) – B

“Enhanced High Capacity Sorbent and Process for CO₂ Capture Using Hybrid Sorption (E-CACHYS™)”

Submitted by: Envergenx LLC

Request for: \$50,000; Total Project Costs: \$1,099,967;

Principal Investigator: Srivats Srinivasachar, Sc.D., President

Description of the Project:

The E-CACHYS™ process uses solid sorbents to affect capture of CO₂ from flue gas streams. The proposed Phase II project will scale-up methods for producing the E-CACHYS™ sorbents to maximize the CO₂ loading capacity. In addition, an enhanced process configuration that (i) reduces sorbent attrition, (ii) accommodates operation with a finer particle size distribution, and (iii) incorporates a method to increase sorbent life, will also be demonstrated.

Technical Advisor’s Recommendation: Fund

Fund subject to the following:

- Matching Funding received from all the parties.
- Technical advisor participates in Advisory group

Conflict of Interest:

ALLETE
SaskPower