SGC LLC (SGC) is seeking a buyer for its intellectual property portfolio anchored by the SlurryCarb™ process, a proven thermal hydrolysis technology platform for the conversion of biosolids and other organic wastes into energy and other valuable products.

This is an opportunity to acquire a proven solution in the water, waste management and/or renewable energy industries.

SGC is comprised of principals from the predecessor company that invested $200+ million to technically advance SlurryCarb™ and successfully bring it to market.

### SlurryCarb™ Opportunity Overview

- The SlurryCarb™ process is an economical and environmentally-sustainable method to convert organic wastes into beneficial reuse products via a proprietary thermal hydrolysis technology that utilizes heat and pressure.
- The SlurryCarb™ process converts municipal sewage sludge and other organic wastes into a renewable fuel or a Class A fertilizer product.
- SlurryCarb™ converts organic material to a Class A solid with higher energy density and less affinity for water. Improved biosolids dewaterability reduces waste disposal volume and costs by 60%. Optional drying to eFuel yields calorific value similar to that of brown coal.
- SlurryCarb™ breaks down and solubilizes cellular material that then can be converted to a methane-rich biogas via anaerobic digestion.

A full scale 683 tpd SlurryCarb™ process successfully converted 250,000 tons of biosolids to 50,000 tons of renewable fuel in a commercial facility in Rialto, California, serving municipal customers that included Orange County Sanitation District, Los Angeles County, and City of San Bernardino.

Depending on the biosolids management method being compared, the Rialto facility was shown to provide net reduction in GHG emissions per year of CO2e of up to over 100,000 tons per year.

- Intellectual property rights include 8 US patents awarded or pending in the US plus patents in Europe and 8 additional countries around the world. Provisional patents include a simplified skid-mounted SlurryCarb™ design and various energy and product value enhancements.
- The Principals from SGC will be available post-acquisition to assist any buyer in implementing the SlurryCarb™ process.
- Market opportunities include municipal and industrial sludges and biomass markets. Prospective business models include various recurring revenue approaches, capital equipment sales, design build, and global licensing.

### Market overview

#### Target markets

- SlurryCarb™ has primarily been developed to treat biosolids arising from municipal wastewater treatment. The technology generates significant cost savings by reducing the volume of biosolids for final disposal by up to 50%, reduced plant energy consumption, environmental compliance, and high value beneficial reuse end-products.
- Industrial sludges with a high water content that are difficult to dewater can be treated with SlurryCarb™ prior to dewatering to significantly reduce volumes for final disposal.
- SlurryCarb™ has been applied to treat municipal solid waste and its derivatives, such as refuse-derived fuel (RDF).
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#### Municipal biosolids market

- Over 20 million dry tons of biosolids is produced annually in the ten largest global economies, with the US accounting for over 7 million dry tons. There are more than 16,000 wastewater treatment plants (WWTPs) in the US. The addressable market for SlurryCarb™ are over 3,000 facilities that produce more than 4 dry tons per day of biosolids.
- Over 1,500 municipal wastewater treatment plants (WWTPs) in the US and over 250 in the UK utilize anaerobic digestion to convert biosolids to methane for energy production. Thermal hydrolysis processes like SlurryCarb™ coupled with anaerobic digestion have proven to boost biogas production in over 50 operational plants globally, a small percentage of the global market opportunity.
- SlurryCarb™ converts biosolids into either high quality fertilizer that complies with the most stringent US and EU regulations or high energy value feedstock for waste-to-energy combustion furnaces.
The Intellectual Property Portfolio includes:

- All patents/patent applications, issued and pending, that address systems, methods, and various process enhancements to convert biosolids or organic wastes into high value fuel, energy products and other value added products.
- Process data, engineering drawings, operations and maintenance manuals, research and demonstration data, and design improvements for the Rialto SlurryCarb™ regional biosolids processing.
- Trademark for the SlurryCarb™ process.
- US prospect list for the SlurryCarb™ and marketing data.

Value Propositions for the Prospective Buyer

Recurring Revenue from Biosolids Processing

- Service Contracts – A transportable pre-assembled SlurryCarb™ process design can be cost-effectively retrofitted to existing wastewater treatment plants to process biosolids as either a short or long term service or sludge disposal contract.
- Regional Facilities – The SlurryCarb™ process has successfully operated as the core treatment component for a regional facility that generated recurring revenue from tipping fees for biosolids disposal from multiple wastewater treatment agencies and sale of eFuel as a fossil fuel substitute.
- Deep Well Disposal with New Methane Source Creation – The intellectual property portfolio includes a method to inject SlurryCarb™ processed biosolids/organic material into deep disposal wells and depleted shale gas production wells as a biosolids disposal method that also creates a sustainable source of methane via long term underground anaerobic decomposition. In the case of depleted shale gas production wells, methane can be transferred to market via existing gas transfer piping infrastructure.

Capital Equipment and Design-Build Business Opportunities

- Pre-Assembled SlurryCarb™ equipment component – A compact skid-assembled SlurryCarb™ process can be easily installed into existing wastewater treatment plants to reduce waste sludge volume and disposal costs by 50%. Based only upon sludge disposal cost savings, the estimated payback period is 12 to 36 months depending upon local disposal costs and equipment utilization.
- Design-Build Biosolids Processing Contract – The SlurryCarb™ process can be applied as the core biosolids processing component in a complete design-build system contract to convert biosolids into fuel and fertilizer and reduce offsite disposal.

Performance Contracts

- Biosolids and Energy Cost Reductions – The SlurryCarb™ process can reduce overall plant costs for sludge disposal and energy usage in a long term performance contract where contractor compensation is negotiated as a percentage of net cost savings generated.

Global Licensing

- Emerging Markets – The SlurryCarb™ process technology can generate revenue for an acquirer via licensing to biosolids solution providers in emerging market countries. License fees may be separate from or linked to supply of key equipment components.

To view a video describing the Rialto Regional Treatment Plant, type or copy and paste the link below into your browser:

http://www.globalwateradvisors.com/newsinfo-2/slurrycarb-info

The Transaction

- SGC is seeking to sell the entire SlurryCarb™ Intellectual Property portfolio. Experts intimately familiar with SlurryCarb™ design, operations, and business development strategies will be available to assist any acquirer with implementation of the acquisition into a new business environment.

Contact

For more information please email: slurrycarb.info@globalwateradvisors.com

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