

About FWS Group of Companies

The FWS Group of Companies, headquartered in Winnipeg, Manitoba, provides services to clients across Canada, and around the world.

Though based in the tradition of design-build construction, FWS utilizes a wide range of project development approaches that include various forms of Construction Management. The fully integrated FWS approach to construction and development unifies owner, consultants and contractor(s) into a results-oriented building team. The approach promotes single-source accountability, improved cost control, shortened time frames and a relationship that keeps clients coming back again and again.

FWS' team-based, open-book approach, combined with multiple options for contract format, provides clients with the assurance of competitive pricing, process integrity and peace of mind.

FWS Fractionation Technologies Inc.

FWS Fractionation Technologies Inc. (FWSTI) markets and develops fractionation projects in the United States. A partnership that includes the technology developer, FWS Group and knowledgeable ethanol industry consultants, DAK Renewable Energy of Sioux Falls, S.D., FWSTI works with qualified prospects to develop an appropriate business model to suit individual needs. Thereafter, it provides such prospects with fixed price design build proposals, and access to financing to qualified applicants.

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Corn Fractionation

FWS

The Confidence Builders

Leadership Towards Diversification In Corn Processing Technology

FWS FRACTIONATION TECHNOLOGIES INC.

CANADA'S
BEST
MANAGED
COMPANIES



The FWS System

FWS' Dry Corn Fractionation System is a mechanical process that takes whole corn and produces three fractions: Endosperm, Germ, and Bran. It is also generally considered the most economical system available today. Corn fractionation is increasingly recognized as the first essential step in the evolution from limited ethanol plant revenue streams – to the diversity and flexibility associated with total corn kernel processing. Equipment used in the FWS Fractionation System has been used extensively by FWS and the agri-industrial sector in diverse grain handling and processing applications for decades. The cost-effective patented turn-key dry fractionation system using proven equipment enables corn ethanol producers to diversify and maximize ethanol plant profitability. Furthermore, the addition of fractionation shifts business focus to food and fuel production, thereby defusing the “food vs. fuel” debate. Under agreement, FWS will guarantee the performance of the FWS Fractionation Technology by providing a process guarantee. FWS actively promotes a total package corn fractionation solution, including such critical factors as project financing and co-product marketing channels.



We have proven KNOWLEDGE!
PATENTED SYSTEM UTILIZING RELIABLE PROVEN EQUIPMENT!

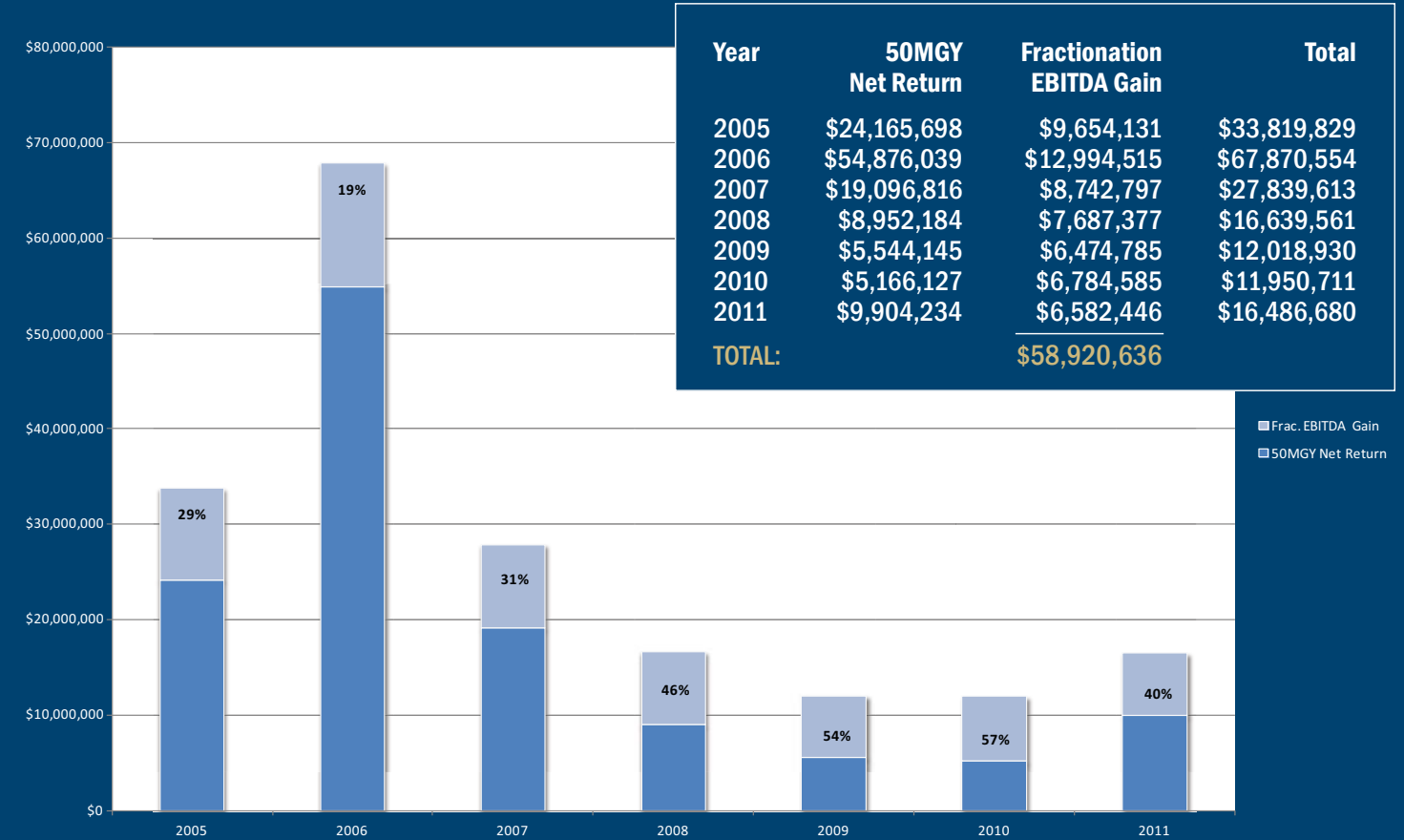


Summary of FWS Fractionation Benefits

- New co-product revenues
 - High Oil Germ Fraction
 - High Fibre Bran Fraction
 - High protein “DDG(S)”
- Removes non-fermentables and reduces solids loading through the ethanol process
- Potential significant ethanol plant output increase (on order of 10-12%)
- Balanced between starch preservation & germ quality
- Reduced enzyme requirements
- Competitive cost
- DDG dryer energy savings
 - improved environmental footprint
- Low horsepower requirements

**PRECISION,
 PROFESSIONALISM,
 EFFICIENCY & QUALITY.**

IN RECENT YEARS THE ANNUAL INCREMENTAL EARNINGS FROM FRACTIONATION WOULD HAVE BEEN ON PAR WITH THE BASELINE EARNINGS FROM THE ETHANOL PLANT ITSELF WITHOUT FRACTIONATION.



ETHANOL PLANT FINANCIAL RETURNS COULD BE ENHANCED AT ALL TIMES THROUGH ADDITION OF FRACTIONATION.

In reviewing historical baseline ethanol plant financial returns (blue) with the addition of the increased earnings attainable through implementation of fractionation (orange), one sees that the ethanol plant net return with the addition of fractionation (green) has at all times been enhanced significantly.

50 MGY Ethanol Plant: Historical Monthly Financial Return (Jan 2005 through April 2012)

