ENVIRONMENTAL POWER CORP Form FWP June 01, 2009

Summary Presentation ENVIRONMENTAL POWER CORPORATION (NASDAQ: EPG) Underwriter

B.C.
Ziegler
and
Company
Member SIPC and FINRA
Environmental
Power
Corporation
has
filed
a
registration
statement
(including
a
prospectus)
with
the
SEC
for
the
offering
to
which
this
communication
relates.
Before
you
invest,
you
should
read
the
prospectus
in
that
registration
statement
and
other
documents
Environmental
Power
has
filed
with
the
SEC

for more complete information about Environmental Power and this offering You documents for free by visiting **EDGAR** on the SEC Web site at www.sec.gov. Alternatively, Environmental Power and the underwriter will arrange to send you the prospectus if you request it by calling (888)884-8339. Α copy of

the most

recent
prospectus
may
also
be
found
by
clicking
on
the
following
hyperlink:
Prospectus
Issuer Free Writing Prospectus
Filed Pursuant to Rule 433

Registration Statement on Form S-1 No. 333-158286



ENVIRONMENTAL POWER CORPORATION SAFE HARBOR STATEMENT

The Private Securities Litigation Reform Act of 1995, referred to as the PSLRA, provides a "safe harbor" for forward-looking statements. Certain statements contained in this presentation, such as statements concerning planned manure-to-energy systems, our sales pipeline, our backlog, our projected sales and financial performance, statements containing the words "may," "assumes," "forecasts," "positions," "predicts," "strategy," "will," "expects," "estimates," "anticipates," "believes," "projects," "intends," "plans," "budgets," "potential," "continue," "targets" "proposed," and variations thereof, and other

statements
contained
in
this
presentation
regarding
matters
that
are
not
historical
facts
are
forward-looking
statements
as
such term
is
defined
in
the
PSLRA.
Because
such
statements involve risks and uncertainties, actual results may differ
materially from those expressed or implied by such forward-looking statements. Factors that could cause actual results to
differ
materially
include,
but
are
not
limited
to:
uncertainties
involving
development-stage
companies,
including
our
ability
to
continue as
a
going
concern;
uncertainties
regarding
project
financing,

the
lack
of
binding commitments and/or the need to
negotiate
and
execute
definitive
agreements
for
the
construction
and
financing
of
projects,
the
sale
of
project
output,
the
supply of substrate and other requirements and for other matters; financing and cash flow requirements and uncertainties;
inexperience with the development of multi-digester projects; risks relating to fluctuations in the price of commodity fuels
like
natural
gas,
and
our
inexperience
with
managing
such
risks;
difficulties
involved
in
developing
and
executing
a
business
plan; difficulties and uncertainties regarding acquisitions; technological uncertainties; including those relating to competing
products and technologies; risks relating to managing and integrating acquired businesses; unpredictable developments; including plant outages and repair requirements; the difficulty of estimating construction, development, repair and maintenance costs and timeframes; the uncertainties involved in estimating insurance and implied warranty recoveries, if any; the inability to predict the course or outcome of any negotiations with parties involved with our projects; uncertainties relating to general economic and industry conditions, and the amount and rate of growth in expenses; uncertainties relating

to

government

and regulatory policies and the legal environment; uncertainties relating to the availability of tax credits, deductions, rebates and similar incentives; intellectual property issues; the competitive environment in which Environmental Power Corporation and its subsidiaries operate and other factors, including those described in the prospectus relating to the offering to which this presentation relates, well as in other filings we make with the Securities and Exchange Commission. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date that they are made. We undertake obligation publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. 1

2 Proven Company

Environmental Power Corporation (EPC) owns and operates proven, commercial-scale renewable energy facilities producing a versatile methane-rich biogas from waste products consisting of agricultural livestock

and other organic wastes.

EPC has a proven track record and is a leader in the biogas based renewable energy market and evolving carbon credit market.

Market Drivers

First-mover Status

Unique

Offering

Projects Ready to Go

Unique opportunity to provide project dedicated funds at a market coupon rate and participate in equity upside.

High and volatile energy prices, growing renewable energy demand (RPS), increasing environmental concerns (carbon emissions) and increasing regulation of agricultural waste have led to increased interest in EPC s renewable product.

EXECUTIVE SUMMARY

PROCESS OVERVIEW 3

ADVANTAGES OF BIOGAS

Versatility

Biogas can be used to displace an array of conventional fuels Infrastructure already exists compared to other renewables

Renewable

Waste to

Energy

Good for

Environment

High Economic

Efficiency

Output

Available 24/7

Security of

Support

Income

Alternative

Provides income diversification and cost savings for farmers

Reduces dependence on fossil fuels and is a domestic supply of energy

Produces energy when needed, unlike wind and solar, which are intermittent

Does not require government subsidies

Production efficiency is significantly higher than other biofuels

Addresses farms nutrient management concerns

Biogas process sequesters methane; 21x the effect of carbon dioxide as greenhouse gas

Waste products (manure and other organic wastes) are the feedstock and

not dependent on food crops

Non-depleting asset utilizing waste streams

4

CONFLUENCE OF AGRICULTURE AND ENERGY

Solutions that are clean, proven, cost-effective and operate at the confluence of the agriculture and energy markets.

Agriculture

Outsourcing of manure management issues

Alignment of long-term interest

Reduced farm operating/capital costs

Lease payment for the site of facilities

Project profit sharing with local farmers

By-products can be used as bedding for animals and liquid fertilizer add value to farm; potential third-party sales

Energy

Useful renewable energy product (Renewable Portfolio Standards, state mandates, Renewable Energy Credits, etc.)

Most projects expected to qualify for salable carbon credits
Environment

EPC

AS

A

RENEWABLE

Е

&P

PLAY

EPC is essentially a renewable exploration and production natural gas company with some key differences:

No exploration risk

No drilling risk

No dry holes

Non-depleting resources
Also an active participant in the evolving carbon credit market

EPC

produces

pipeline-quality

natural

gas

with

renewable

attributes.

OPERATING FACILITIES

Huckabay Ridge

Largest Renewable Energy

Gas ® (RNG ®) facility of its kind in North America Commercial operation: January 14, 2008 635,000 MMBtu/year **RNG** (R) production target Enough natural gas to heat approximately 7,000 midwestern homes for the winter 7 Huckabay Ridge Stephenville, TX Operational: Q1 2008 635,000 MMBtu/year Norswiss Facility Rice Lake, WI Operational: Q4 2005 850kw Wild Rose Facility La Farge, WI Operational: Q2 2005 750kw Five Star Facility

Elk Mound, WI Operational: Q1 2005 750kw

STRATEGIC RELATIONSHIPS

8

Cargill Provider of food, agricultural and other products and services
Business Development Agreement to accelerate market penetration
PG&E Distributor of natural gas and electricity focused on renewable energy
Long-term purchase and gas distribution agreements
Provides off-take and pipeline access in critical markets

Dairyland Power Provider of electricity generation and transmission services

Biogas offtake on three initial facilities in Wisconsin (proven platform for biogas production and electric generation)

Xergi A/S - Danish contractor and O&M operator of energy and environmental plants

Provides EPC s anaerobic digestion technology

Third largest natural gas distribution company in Texas Texas Gas Service

Established agreement to purchase RNG

from Texas projects

Xcel Energy A leading electricity and natural gas energy company

Comprehensive portfolio of energy-related products and services with regulated operations

in eight western and midwestern states

(R)

Micky
Thomas
Senior VP &
Chief Financial Officer
Dennis Haines
VP & General Counsel
Michael Hvisdos

Executive VP Growth Team Mike Newman **VP** Operations Rich Kessel **CEO** and President EPC and Microgy, Inc. LEADERSHIP **TEAM** 9 Finance Accounting Treasury **Human Resources** Project Cost Control **Investor Relations Public Relations** Corporate Secretary Legal **Ethics** Risk Management Insurance E/H/S/Q Government Affairs **Growth Team Business Development** Market Development Project Development **Project Execution** Strategic Alliances Carbon Strategy Operations **Plant Operations** Substrate Logistics

Plant Betterment Plant E/H/S

PROJECTS READY TO GO 10 Debt financing in place

To date, \$130 million of tax-exempt debt financing has been raised from institutional lenders in support of construction of these projects.

Investors in the 2006 Texas bond issue purchased California bonds in September 2008 (Release of California and certain Texas bond proceeds remains subject to satisfaction of certain performance and further financing conditions).

Tax-exempt debt financing required analysis by independent third-party experts.

Economic analysis

SJH,

a

leading

Ag

Consultant

Technical/operational analysis

RW Beck, a leading independent engineering consulting firm Permits in place

All necessary permits to begin construction are in place for identified Texas, California and Nebraska projects.

Revenue streams secured

Gas offtake

agreements are in place for stability of revenue streams reflecting premium, green attributes of our natural gas.

When these projects are operational, targeted 2010, EPC expects to have an annualized revenue stream of \$40 million.

PROJECT PIPELINE

11

Facility

Location

Type Annual Energy

Production

Notes Mission Texas RNG ® 635,000 Project Debt Financing obtained; permitted Rio Leche Texas **RNG** ® 635,000 Project Debt Financing obtained; permitted Cnossen Texas RNG (R) 635,000 Project Debt Financing obtained; permitted Hanford Cluster California **RNG** (R) 732,000 Project Debt Financing obtained; permitted Bar 20 California **RNG** ® 601,000 Permitted; in financing Riverdale Cluster California **RNG** (R) 621,000 Project Debt Financing obtained; permitted Cargill 1 Idaho **RNG** ® 550,000 Option Agreements executed Cargill 2 Colorado **RNG** (R) 365,000 Option Agreements executed Swift-Grand Island

Nebraska
Insidethe-fence
235,000
Project Debt Financing obtained; permitted
Total Announced
Projects
5,009,000
Notes
1.
Additional
10,700,000
MMBtu
under

All amounts in MMBtu/year sales

development

29

PROJECT ECONOMIC HIGHLIGHTS

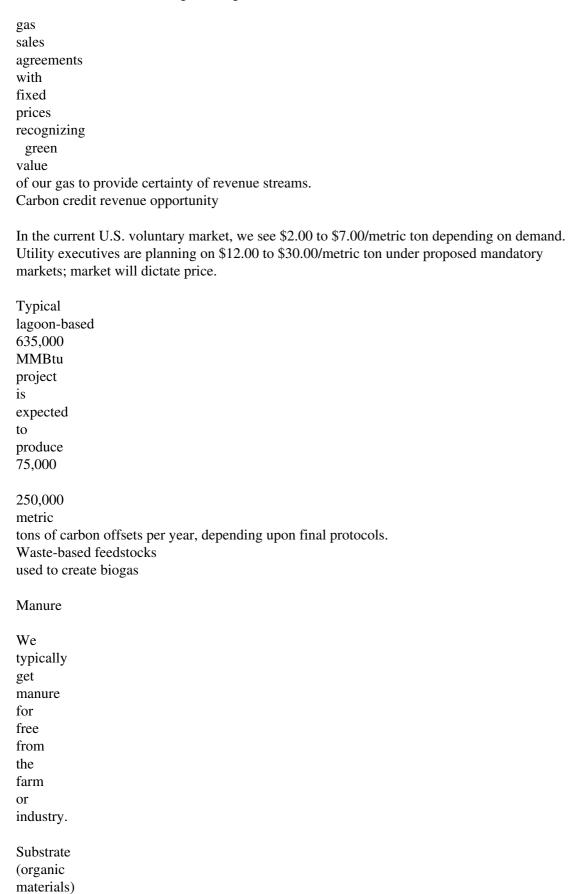
12

Long/medium-term natural gas sales agreements

We

use

long/medium-term



We
pay
transport,
but
may
get
tipping
fee
for
partial
offset.

Potential by-product value

Solids

third-party discussions as a peat replacement or as an eco-friendly building product

Liquids

fertilizer without odors, seeds or pathogens and in more suitable form to meet permit requirements

TARGETED PROJECT ECONOMICS

13

Subsidies

are

not

assumed

project
economic
forecasts
compared
to
other
industries,
such
as ethanol, biodiesel, etc.
Long/medium-term
off-take
RNG
®
agreements
recognizing
premium
value
of
RNG
®
Finance with combination of equity and debt
Cross-collateralization and revenue pooling to create portfolio diversification
Tax-exempt financing: target 80% debt / 20% equity
Tax-exempt financing: target 80% debt / 20% equity Long-term alignment of interest with project participants
Long-term alignment of interest with project participants
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside potential
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside potential should
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside potential should subsidies
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside potential should subsidies be
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside potential should subsidies be established
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside potential should subsidies be established similar
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside potential should subsidies be established similar to
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside potential should subsidies be established similar to other
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside potential should subsidies be established similar to other renewable
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside potential should subsidies be established similar to other renewable and
Long-term alignment of interest with project participants Targeted project economics provide: Attractive returns Further upside potential should subsidies be established similar to other renewable

Fixed-rate tradeable security
Fixed-rate debt fully registered with the SEC and unrestricted from trading (though not listed and no developed trading market)
Senior to holding company equity
Debt has seniority in the holding company capital structure, ahead of

the existing convertible preferred stock and common stock

Dedicated project

funding

With \$130 million in project financing already raised, money raised in

this offering will go to costs and expenses related to facility

construction/operations

Contracts and permits

in place

Contractors pre-qualified, permits obtained and site arrangements

secured for the next seven projects

Convertible equity at

2008 price

Debt convertible into common equity at a minimum conversion price

achieved in summer 2008

Transition to operating

company

When construction of the seven permitted facilities is complete

(anticipated to be in 2010), EPC annual revenues expected to be

greater than \$40 million

Carbon credit revenue

Likely transition to mandatory market could significantly increase EPC

revenue opportunity

Substantial potential

market

U.S. dairy, cattle and hog farms can take advantage of this cost-

effective environmental waste management solution

DEBT CONVERTIBLE INTO COMMON EQUITY

14

UPDATE TO SUMMARY PRESENTATION

Overall

Message:

We

believe

momentum

is

growing
for
our
business
model
more
certainty
as to key initiatives since six months ago.
15

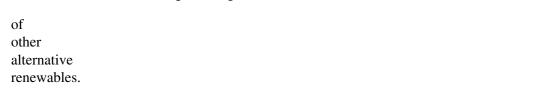
UPDATE TO SUMMARY PRESENTATION (CONTINUED) 16

Huckabay operating performance: Reliable

operations being experienced. RNG ® production levels are meeting expectations at volatile solid concentration levels.
National emphasis on renewables
Political pressure has greatly increased at the federal level to promote technologies that reduce carbon emissions, including an increased emphasis on the production of renewable electricity.
Mandatory Cap and Trade program being pursued
National Renewable Electricity Standard (Replaces RPS program)
Renewable Fuel Standards: Increasing LNG/CNG marketplace demand
Federal support for Renewable Gas Incentive: Provides parity with other renewables
Federal stimulus funds being pursued
Xergi, our Danish technology partner, renegotiated the license agreement and acquired \$3 million of our 14% convertible notes of the type being offered.
We believe this reflects a knowledgeable party s commitment to EPC s business model and growth.
Xcel Energy, an electric

and gas utility operating in eight western and midwestern states, entered into an agreement purchase 916,000 MMBtu per year of our RNG ® from a new Colorado facility, for ten-year period renewable for an additional ten years, at a premium to the market. We believe this reinforces the premium value of our RNG ® product; priced based on the

cost



Funds raised by Ziegler in March 2009 under similar terms as this offering are being deployed for Texas projects.

Marathon

capital

is

being

utilized

to

manage

a

parallel

process,

to

complement

funds

raised

by

Ziegler

•

OPERATING
PERFORMANCE
AT
HUCKABAY
RIDGE
17
Huckabay

is operating reliably with production levels at expectation based on volatile solid concentrations. Comprehensive upgrades complete Consistent operations in meeting specifications for pipeline grade RNG ® CO₂ Less than 10% of the limit, H2S 5% to 15% of the limit, and H2O 40% to 50% of the limit Ability to manage fluctuations in biogas production, as well as varying ambient conditions Reliability Huckabay Ridge has produced salable gas with a high degree of reliability since the beginning of April Production

Production levels

improving
with
reliable
operations;
RNG
®
production
equal
to
or
higher
than
expectations based on volatile solid concentrations being realized
Focus
Tocus
Enadetaals
Feedstock
being
optimized
to
achieve
maximum
RNG
®
production,
replacing
volatile
solid
feedstock
supply, temporarily affected by the recession:
-
New suppliers identified and being qualified
-
Environmental permit being expanded to allow for non-food based substrate feedstock
-
3
generation
design
criteria
for
all
new
projects
utilizes
lower
volatile
solid
concentration
as
baseline
(should

previous levels
be
experienced,
more
RNG
®
will
be
produced
for
same
design
volume)

rd

NATIONAL EMPHASIS ON RENEWABLE ENERGY 18

Mandatory Cap

&

Trade

Waxman-Markey
Bill
(HR
2454)
approved
by
House
Energy
&
Commerce
Committee
T
Economy-wide program beginning in 2012, with a cap on emissions at 17% below 2005 levels by
2020
(83%
by
2020).
Senate
version
of
bill
in
earlier
committee
stages.
Full
Full vote on House bill expected this summer
Floor price on allowances of \$10.00, with a 1st year ceiling of \$28.00
1 tool price on anowances of \$10.00, with a 1st year centing of \$20.00
Adds more certainty and definition to carbon offset market
National
Renewable
Electricity
Standard
HR2454 requires utilities to produce 15% of
electricity
from
renewable
sources
by
2020.
Renewables
broadly
defined
to
include

biogas. Senate version in earlier committee stages.
Supplements
state
mandates
and broadens
market
demand
for
our
RNG
®
product
Renewable
Fuels
Standard
2009
RFS
increased
to
10.21%
(at
least 11.1
billion
gallons
of renewable fuels to be blended into transportation gasoline). 2008 RFS was 7.76%.
Ву
2022, 36
billion gallons required (more than 3 times 2009 levels).
Potential
increases
in
demand
for RNG
®
as
an
LNG/CNG
product

SIGNIFICANT LEGISLATIVE FUNDING POTENTIAL; TAX CREDIT OR INVESTMENT GRANT 19

Senate Bill S306 (Nelson, D-NE) and House Bill HR1158 (Higgins, D-NY) have been introduced into Congress, which if enacted will provide a \$4.27 per MMBtu production

tax

credit

for renewable gas produced by manure-based projects such as ours, for a period of ten years. Alternatively, a 30% investment grant may also be available.

S306

Supporters

10:

Co-sponsors

including

Hatch

(R-UT),

Stabenow

(D-MI),

Wyden

(D-OR)

HR

1158

Supporters

22:

Co-sponsors

including

Lewis

(D-GA),

Radanovich

(R-CA),

Roskam

(R-IL)

Bi-partisan support of our production tax credit

A broad coalition has been formed, including such firms as Gas Technology Institute, American Gas Association, Waste Management and utilities such as PG&E and

Sempra,

to

support

this initiative.

We are also actively pursuing stimulus funds under a variety of federal programs announced earlier this year in support of the development of the renewable energy

sector.

XERGI \$3 MILLION INVESTMENT AND NEW COOPERATION AGREEMENT 20

EPC has renegotiated its licensing arrangement with Danish Biogas Technology, A.S. and its parent, Xergi. The new Cooperation Agreement better reflects the Company s build / own / operate business model and will provide substantial long-term savings in

reduced license fees to EPC and Microgy, Inc.

Pursuant
to
the
new
Cooperation
Agreement,
Xergi
acquired
\$3
million
- C

EPC s 14%

convertible notes, having the same terms as the \$5 million of our convertible notes issued in March 2009, in payment of certain license fees.

We believe this reflects a knowledgeable party s commitment to EPC s business model

and growth.

LONG-TERM PREMIUM PRICE AGREEMENTS WITH MAJOR UTILITY SUPPORTS FUTURE PROJECTS

2.1

Our sales agreement with Xcel, like the comparable one with Pacific Gas & Electric, highlights that our RNG

R

product is sold and priced as RENEWABLE ENERGY,

not a natural gas substitute. In March 2009, we announced long-term RNG ® supply agreement to Xcel Energy (NYSE: XEL). The ten-year contract, which is renewable for an additional ten years, for a fixed price reflecting the value of our green **RNG** ® versus other renewable alternatives. Xcel will use our RNG product to generate carbon-neutral electricity. The agreement will help Xcel continue to

meet

its

mandates

under

the

Colorado s

Renewable Energy Standard and support the company s efforts to reduce carbon dioxide emissions.

The Colorado PUC has approved the agreement.

RENEWABLE ENERGY MARKET-BASED PRICING FOR RNG

(R)

PROJECT

22

Note: Biogas shown as least cost by California PUC

CAPITAL FUNDING SOURCES AND USES 23
Sources
Ziegler March Bond Offering \$5,000,000
Xergi
Bond Acquisition

\$3,000,000

(non-cash -->

for license fees)

This Offering

\$5,000,000

Marathon Process

Presently

evaluating

financing

proposals

and options

Federal Stimulus Funds

Q3/Q4

potential;

dependant

on

application

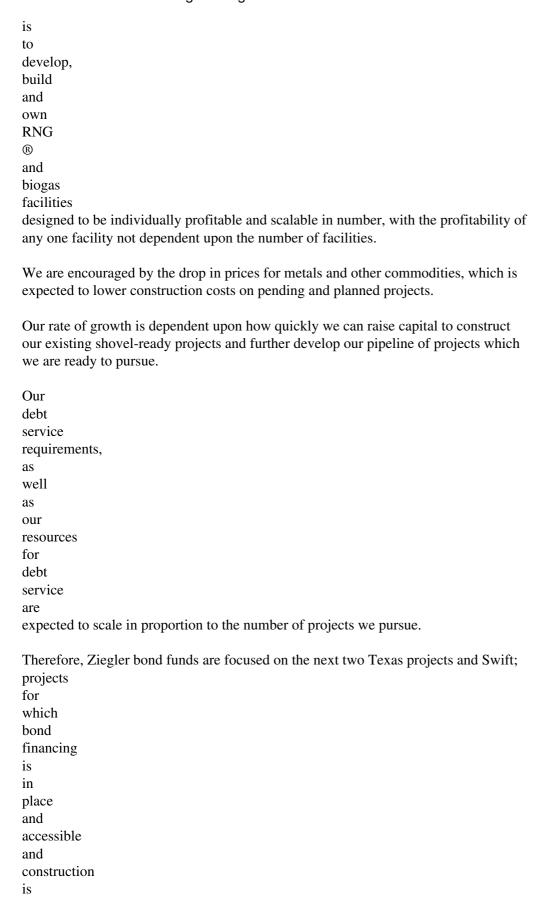
process and approval

Uses

We intend to prioritize the use of proceeds from this offering for projects that are furthest along in development and construction.

PROJECTS ARE PROFITABLE AND SCALABLE 24
Project portfolio build-out plan

Our business model



underway.

Marathon s process will determine what funds are initially available to complement Ziegler s efforts.

CALIFORNIA BOND TEST

25

What will be evaluated by bondholders on June 30, 2009:

Results of 60-day financial and operating performance test at Huckabay; and

Ability to raise new equity in the amount of \$39 million (\$45 million if Bar 20 had

been financed). Discussion

The June 30

date is a point in time for bondholders to evaluate our performance against the criteria established in September 2008. The bondholders can then determine their course of action.

We

intend

to

discuss

our

performance

against

these

criteria

with

the

bondholders

and

what,

if any, accommodations we may require.

The tax-exempt bondholders are aware of the various initiatives to meet the criteria and ultimately may be satisfied with progress toward meeting the milestones. However, should they decide to call the bonds, we would focus the funds raised through Ziegler on the next two projects in the Texas portfolio and Swift, which are unencumbered by the test, and build out those projects.

We would then seek alternative financing for the California projects as the various contracts remain in place and only spend a limited amount of funds until greater certainty develops as to their financing.

th



GOING-CONCERN QUALIFICATION 26

As is typical for start-up growth companies, going-concern qualifications are an accounting disclosure requirement that results from the need to raise additional funding. The amount

of
our
funding
requirements
is
based
on
our
projected
build-out
plans,
as
well as our ongoing General and Administration (G&A) requirements. Sources of capital
are expected to come from various initiatives discussed previously. Funds raised are to
be
focused
on
Texas,
California,
or
Swift
projects
projects
that
have
initiated
construction
or
are
shovel
ready.

We have implemented significant steps to reduce our G&A expenses, but will need to raise funds during the first half of 2009 in order to cover ongoing G&A, as well as interest and dividend requirements.

We are actively seeking additional sources of capital to meet these financing needs and requirements of our projects in development

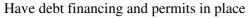
Via this offering

Hired Marathon Capital in Q1 to assist us in identifying and managing discussions with entities interested in investing in our projects

Federal stimulus funds / State energy programs (potential support from CA & TX for our projects)

COMPELLING VALUE PROPOSITION

Unique offering
Projects
ready
to
go
that:



Have secure and stable revenue streams as gas offtake agreements are in place which reflect premium green attributes of our natural gas Have multiple revenue streams renewable natural

gas,

carbon

credits,

other

by-products

Do not rely on subsidies, although we will seek parity with other renewables Unique company

EPC holds market leadership position with first-mover status in the renewable biogas energy sector

Strong growing market for cost-effective renewable and domestic energy sources

Large, untapped market with announced projects and robust development pipeline

5 million MMBtu/year with an additional 10.7 million MMBtu/year in development

Target project long-term stable cash flow steams resulting in attractive returns

EPC

can

be

viewed

as

an

E&P

company

without

exploration

risks

or

depletion

curve

Innovative, proven and scalable technology

Valuable strategic relationships

Leadership team with deep industry experience to execute the plan Unique opportunity to participate in the renewable energy sector 27

FINAL THOUGHTS
Dominant player

We believe our unique product will be a key component in addressing the future energy and environmental

needs
of
the
U.S.,
because
it
addresses
the
environmental needs of the agricultural and food processing sectors while creating a versatile and renewable energy product with greenhouse gas offset credits. Momentum swing
We believe momentum is swinging our way for our business model and growth.
Emphasis on renewable forms of energy, carbon awareness, transportation fuel options and pricing with other renewables
Huckabay proving itself as a reliable facility; lessons learned will be employed in future projects
Xergi
investment confirms belief in our business model
Xcel
agreement
reinforces
the
value
of
our
RNG
®
Experienced leadership team 28

29

www.environmentalpower.com

Environmental Power Corporation has filed a registration statement (including a prospectus) with the SEC

for

the

offering

to

which
this
communication
relates.
Before
you
invest,
you
should
read
the
prospectus
in
that registration statement and other documents Environmental Power has filed with the SEC for more complete information about Environmental Power and this offering. You may get these documents for free
by
visiting
EDGAR
on
the
SEC
Web
site
at
www.sec.gov.
Alternatively,
Environmental
Power
and
the
underwriter will arrange to send you the prospectus if you request it by calling 888 884 8339.
A copy
of
the
most
recent
prospectus
may
be
found
by
clicking
on
the
following
hyperlink:
Prospectus
29