

FINANCING OPPORTUNITY OVERVIEW

Executive Summary



Diverso Energy is looking for Project Financing for the development of Canadian and US based Geo-Exchange (GX) Power Purchase Agreement (PPA) projects.

What we are looking for:

 Access to \$30M-\$40M of Committed Capital over the next 3 years to fund the construction of GX systems.

What we are offering:

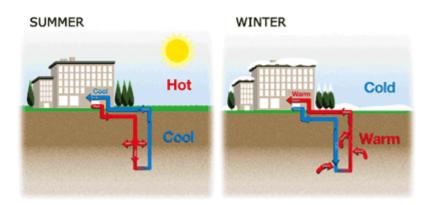
- 6-7% interest on each loan amortized over 25-30 years.
- High Security of Cash Flows due to:
 - Diverso Energy's leadership team experience.
 - Contractual ability to turn off heating and cooling in the event of default.

What is Geo-Exchange



The Earth as a Renewable Energy Source

• Ground is the median annual air temperature and remains constant between 43°F – 57°F.



The Geo-Exchange System

- 3 Main Components:
 - Ground Loop, a series of high density polyethylene pipes buried under the ground.
 - Circulating pumps that move the fluid within the ground loop.
 - A heat exchanger that connects the ground loop to the building's mechanical system.
- During the winter Extracts heat from the ground and distributes throughout the building.
- During the summer Collects heat from the building and sends it to the ground loop to be dissipated.

The Market Opportunity



- **1. Building Code Requirements:** Increased focus on environmental sustainability and energy efficiency from both the Federal and Provincial/State governments (i.e. Targets set at the COP₂₁ climate change summit in Paris).
- 2. The Competitive Landscape: The trend toward investing in sustainability (LED lighting, improved window glazing, etc.) has been led by the large real estate holding companies.
- **3. Shifting Buying Patterns:** Millennials, which represent over 25% of the population, place significant value on building sustainability and accessible green space (often only available on the rooftop).
- 4. Geo-Exchange is a Proven and Robust Technology: Benefits include: reduced energy consumption, reduced GHG emissions, reduced water consumption and chemicals, eliminating noise pollution, etc.



There are two key hurdles that have historically hindered the success

of large scale Geo-Exchange projects



The Diverso Energy Solution addresses both of these

The Diverso Energy Solution -



Diverso Energy provides a unique utility-like Geo-Exchange model

- Design, installation, long term maintenance of the Geo-Exchange solution for no upfront cost
- The PPA converts a capital cost into a long term operating expense:
 - Cost can be passed along to tenants or condo owners as a common area operational expense
 - A Diverso Energy goal is to ensure the PPA cost will not exceed the operational savings realized from the Geo-Exchange system (energy, water, maintenance, etc.)
 - Performance guarantee removes the operational risk from owner



Each PPA contract will contain the following common elements:

- \circ A 25 30 year term
- Guaranteed monthly fees with a 2% annual escalator
- A performance guarantee based on proper building operation
- PPA to be registered on title
- Ability to turn off heating and cooling in the event of default



The Diverso Energy Advantage



Benefits to the Developer/Owner include:

- Construction Budget Reduction (cooling towers, boilers etc.)
- Reduce space requirements of HVAC (Architectural Options)
- Marketing appeal of a Green Building
- Financial Benefits of a Geo-Exchange solution without the cost (i.e. accelerated depreciation and rebates like the T.G.S.)
- LEED points

This solution allows Developers to respond to external Sustainability pressures that would otherwise be impossible

e n e r g y

Benefits to the Long Term Owner include:

The Diverso Energy Advantage

- Hedging against future gas price increases (fixed thermal energy cost for life of PPA) & cost certainty.
- Expected financial savings over the lifetime of the contract.
- Improved real-estate market value & marketability.
- A quiet outdoor green space or terrace due to the elimination of a cooling tower or condensing unit.

The Diverso Energy Executive Team



TIM WEBER : 11 years Geo-Exchange sales, installation and service experience for multifamily residential and commercial projects.

JON MESQUITA, MBA: 9 years of Business Management, Business Development and Operations Experience for both small and large technology firms.

SERGIO ALMEIDA, P.Eng.: 5 years of Geo-Exchange Engineering experience in design, implementation and correcting distressed existing GHX installations. Successful portfolio of over 80 Geo-Exchange projects. Currently owns and manages the largest Geo-Exchange Engineering company in Canada.

ERIC GERMAIN: 8 years of Geo-Exchange Drilling experience. Currently owns and manages a Geo-Exchange Drilling company in Canada.

The Diverso Energy Business Strategy

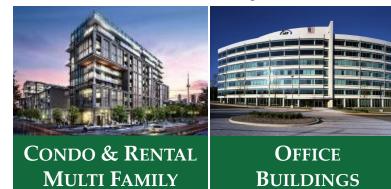


The Diverso Energy Business Philosophy is Structured around 4 Key Ideals:

- Be Consistent: Leverage the technical and financial expertise of the Diverso Energy Leadership team to utilize the model and processes that are easily replicated to ensure the success of each project.
- Be Lean: Leveraging partnerships with vetted and trusted industry experts to execute the construction of each project allowing Diverso Energy to scale quickly to address market opportunities.
- Be Focused: Stick to what we are good at and can guarantee success.
- Be Prudent: Manage growth carefully, maintain strong cash reserves, only select partners who share our vision for excellence etc.

Our Target Market

Primary





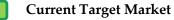
Secondary



SCHOOLS & UNIVERSITIES

GOVERNMENT BUILDINGS

Legend:



Plans to Expand to these Markets (BD work underway for many)

Potential Future Market Opportunity



Factors Impacting our Regional Focus:

- Existing Partner Relationships (i.e. Geo-Exchange Drillers)
- Market Dynamics (Is Sustainability Important?)
- Energy Costs
- Climate Factors
- o Competition



Expand to include the Retrofit Market

Future Strategy:

Go to Market Strategy

Current Strategy: Focus on New Construction

	Pros		Cons			Pros		Cons
0	Market Size is large (majority of buildings in target market are a fit)	0	Construction timeline is 12–18 months (Construction to	12 – 18 months	0	Construction timeline is shorter (3-6 months)	0	Buildings with the right characteristics to be a fit are more scarce
0	Pre-surface drilling technology allows Diverso to minimize impact on developers construction timeline	0	commissioning) Construction Risk – <u>however</u> mitigated by a stringent lending culture in Canada		0	In building drilling technology has recently been developed	0	Owners traditionally haven't been interested in investing in the infrastructure of these buildings - this is now changing







Diverso Energy is uniquely positioned to establish itself as the Leader in Geo-**Exchange Solutions in North America**



The right Leadership Team & **Partners**

The right model

The right market timing

Win-Win-Win Business Model



	Developer / Owner	Tenant / Condo Owner	Diverso Energy / Partner								
0	Payments are off balance sheet and are accounted for as a pass-through operating expense Saves significant upfront development capital Increased building marketability	 Payments are predictable and stable thereby reducing exposure to volatile energy costs Lower monthly energy and maintenance costs Increased marketability and value 	 Predictable, lucrative and low risk long-term returns Robust and low maintenance technology Scalable business model (can scale to both volume and geography) 								
	Example	Example	Example								
Sys	tem Comparison:	30 year Average Annual Savings:	Investment:								
U	<i>tem Comparison:</i> ditional System Cost \$1,750,000	30 year Average Annual Savings: (per unit)	<i>Investment:</i> Upfront Construction Cost \$1,200,000								
Tra	•		Upfront Construction Cost \$1,200,000 Annual Revenue* \$144,000								
Tra G	ditional System Cost \$1,750,000	(per unit)	Upfront Construction Cost \$1,200,000								
Tra G (n	Aditional System Cost\$1,750,000Geo-Exchange System Cost\$2,500,000	(<i>per unit</i>) Traditional HVAC Condo Fee \$1,200	Upfront Construction Cost \$1,200,000 Annual Revenue* \$144,000 (starting within 18 months from first								

In Summary



- The market opportunity for Geo-Exchange is significant, *however*, the capital cost and operational risk has historically been a barrier to entry.
- Diverso Energy's solution removes both the financial and operational risk of Geo-Exchange and allows the developer to retain all of the benefits including reducing their construction cost.
- This solution is uniquely designed to provide a win-win-win solution rewarding the Developer, the Tenant/Condo Owner and Diverso Energy/Investment Partner.
- The Diverso Energy solution is lucrative, easily scalable and secure.



Ideal Partnership Structure -



Diverso Energy is open and flexible to various partnership structures, however, our preference is a debtbased project finance structure.

Diverso Energy Responsibilities:

- Diverso will design, install, own and maintain the Geo-Exchange system for the life of the contract Diverso will perform all administrative duties as it relates to the PPA (i.e. Invoicing, remitting payments to investment partner, etc.)
- Diverso Energy will interface with the Building Owner on all technical and financial queries.

Diverso Energy Requirements:

- Access to \$30M \$40M of Committed Capital over the next 3 years based upon a predetermined qualification criteria (The average GX System is approximately \$1M)
- Proof of committed capital to be provided upon request (often a requirement by Developers)

Diverso e n e r g y

Investor Return Profile:

• 6-7% interest on each loan amortized over 25-30 years.

Ideal Partnership Structure

Investment Security:

- Construction Risk is mitigated by the Diverso Energy's leadership team experience and proven processes & contractual requirements from the Developer.
- Payment Risk is mitigated by the contractual ability for Diverso Energy to shut off access to heating and cooling (seen as an essential service in the event the building goes into receivership).
- 30 year PPA contract will be assigned to the Finance Partner in the event of a Diverso Energy default.
 - Loan to value ratio of 52% 65% (7% discount rate)

Project Profile Detail

Pilerso e n e r g y

Each Project is Broken down into 3 Sections:

- 1. Qualification and Due Diligence:
- Prior to mobilization on any project, Diverso Energy requires proof of the following minimum requirements:
 - History of successfully building similar projects.
 - Senior Lending is in place including a copy of the term sheet from the Lender.
 - Recognition from the Lender that the PPA will be registered on title
 - Estimated Budget or Pro-forma for the building (different if condo vs rental)
 - Details (potentially including CV on PM, Architect, MEP and developer)
 - Site Plan Approval documentation
 - Building Permit
- Diverso Energy will also perform a feasibility study on each project including:
 - Heating and Cooling load analysis (peak and annual loads) balancing these loads is critical
 - Full financial analysis (see sample pro-forma on next page) to ensure that the Diverso Energy fee is completely offset by operational savings and the return is in line with Diverso Energy and investor requirements
 - Geo-Exchange design confirming it can accommodate the structural design of the building
 - Geological feasibility (confirming geological characteristics of the drill site)

Exam

Cumulative Cash Value Years 1-6

cample Project Fi	cials		Em	anna Béain			e		e	r	9	
IVAC System utilitzing Diverso Geothermal	\$ 1,300,000	Year	LIN	Energy	aintenance	le	Capital	Diverso		Net		
onventional HVAC System (boiler CT heatpumps)	\$ 1,600,000	rear		Savings	Savings		Reserve	Charge		Savings		
onstruction Savings (equipment avoided)	\$ 300,000	1	\$	38,000	\$ 26,000	\$	12,000	\$75,000	\$	1,000		
iverso Connection Fee (per sq. ft.)	\$ -	2	\$	39,520	\$ 27,040	\$	12,600	\$76,500	\$	2,660		
tal Diverso Connection Fee	\$ -	3	\$	41,101	\$ 28,122	\$	13,230	\$78,030	\$	4,422		
GS (Toronto Green Standard) DC Rebate	\$ -	4	\$	42,745	\$ 29,246	\$	13,892	\$79,591	\$	6,292		
et Construction Cost Savings	\$ 300,000	5	\$	44,455	\$ 30,416	\$	14,586	\$81,182	\$	8,275		
x Incentives	NO	6	\$	46,233	\$ 31,633	\$	15,315	\$82,806	\$	10,375		
		7	\$	48,082	\$ 32,898	\$	16,081	\$84,462	\$	12,599		
		8	\$	50,005	\$ 34,214	\$	16,885	\$86,151	\$	14,953		
		9	\$	52,006	\$ 35,583	\$	17,729	\$87,874	\$	17,443		
		10	\$	54,086	\$ 37,006	\$	18,616	\$89,632	\$	20,076		
		11	\$	56,249	38,486		19,547	\$91,425		22,858		
		12	\$	58,499	40,026		20,524	\$93,253	-	25,796		
		13	\$	60,839	41,627		21,550	\$95,118		28,898		
		14 15	\$ \$	63,273	43,292		22,628	\$97,020		32,172		
				65,804	45,024		23,759	\$98,961		35,626		
A Carl Value Vara 1	200.000	16	\$	68,436	46,825		24,947	\$100,940		39,267		
otal Cash Value Year 1	\$ 300,000	17	\$	71,173	48,698		26,194	\$102,959		43,106		
umulative Cash Value Years 1-3	\$ 300,000	18	\$	74,020	50,645		27,504	\$105,018	-	47,152		
		19	\$	76,981	\$ 52,671	\$	28,879	\$107,118	\$	51,413		

			Total	\$	2,012,71	9 \$	\$ 1	,377,123	\$	730,534	\$	2,909,418	\$	1,210,959	
Energy Profile & Diverso Energy Cost Structure					Condo Fee (Common Area) Savings Summary										
Energy & Maintenance Savings:															
Annual Energy Savings & Water Savings	\$	38,000					Year 1			Year 10	Year 20		Year 30		
Annual Maintenance & Operation Savings	\$	26,000				*	0.76	ć	1.10	ć	1.65	ċ	2.44		
Future Replacement (Capital Reserve) Annual Savin	\$	12,000			-	2	0.76		1.10	Ş	1.05	Ş	2.44		
Total Annual Condo Fee savings for owners	\$	76,000	Annual Diverso					0.75	¢	0.00	ć	1.09		1.10	
Total Ann. Condo fee savings (per sq. ft.)	\$	0.76	Charge per Sq. Ft.		3	>	0.75		0.90	Ş	1.09	Ş	1.19		
Annual Diverso Thermal Energy Charge	\$	75,000	Net An	nua	l.			0.01		0.20		0.56		1.26	
Year 1 Net Savings for Tenants	\$	1,000	Savings per Sq. Ft.			\$	0.01	Ş	0.20	Ş	0.56	ş	1.26		
Inflation Rate on Energy Cost	4%	Project Summary													
Inflation Rate on Maintenance	4%		Developer \				Value			Year 1		Year 3		Year 6	
Inflation Rate on Operating Consumables	5%					si Va				\$ 300,000		300,000	\$	300,000	
Diverso Charge Inflation Adjustment	2%		30 Year Common Area Savings \$								1	,210,959			

300,000

\$

20 \$

30 \$ 80,060 \$

118,509 \$

54,778 \$

81,085 \$

30,323

44,886

\$109,261 \$

\$118,509 \$

55,901

125,971

Project Profile Detail



2. Project Construction:

Project Construction for new construction will be completed over 3 phases:

Phase 1	Phase 2	Phase 3								
Timing: Pre-Building Construction	Timing: Final Stages of Foundation	Timing: Mechanical System Completion								
Duration: 2-3 Months	construction	Duration: 1 Week								
% of Drawdown Required: 85%	Duration: 1-2 Weeks	% of Drawdown Required: 10%								
Scope of Work:	% of Drawdown Required: 5%	Scope of Work:								
Full Geo-Exchange Engineering	Scope of Work:	• Build the Header and connect to the								
Design	 Horizontal connections including 	horizontal connections								
• Site Assessment and conductivity tests	running all supply and return lines	Install circulating pumps and wireless								
(as needed)	into the buildings mechanical room	control system								
Complete Borehole drilling including	• tie ins of all vertical pipes including	Commissioning of the Geo-Exchange								
installation of vertical pipes and	construction of Geo-Exchange	loop including flushing, etc.								
grouting	manifold									

* The typical project will span 16-18 months (from the date of the first drawdown to the completion of Phase 3)

**Diverso Energy will Design and Project Manage each Geo-Exchange installation ensuring it is completed to the required standard



3. PPA Commencement:

Project Profile Detail

- Each PPA contract will contain a predetermined commencement date that contractually requires the
 Developer to begin payments independent of the progress made on the building or Geo-Exchange System
- Payments will be made monthly to Diverso Energy for 300 360 months
- Payments to Diverso Energy are subject to a 2% annual inflation adjustment

** As the exclusive heating and cooling option, coupled with the contractual ability to turn off or throttle access to the system, the security of these cash flows are extremely high.



THANK YOU

Benefits of Geo-Exchange Cooling



Improve Building Esthetics & Allow Architectural Freedom



Benefits of Geo-Exchange Cooling



Eliminate Costs From Traditional HVAC Structural Accommodations



Diverso Energy



What Does Diverso Energy Provide?

- Preliminary no-cost analysis and pre- qualification
- Financial modeling
- Full Engineering of Geo-Exchange system
- Design support for MEP during integration of Diverso ground loop
- Long term thermal energy purchase agreement
- o Build, Own, and Operate the ground loop infrastructure
- Project Capital

Engineering and Design Support



Bore Field Design:

- Based on building's heating and cooling loads
- Hourly load calculations are critical
- Understanding building diversification
- Thermal conductivity of the ground
- Minimizing loop size to maximize ROI
- Hybrid possibilities

Diverso Energy: Construction Phase •



Diverso Energy will design & install the entire ground loop heat exchanger. This includes:

- Site assessment, permits, surveying
- o Drilling
- Horizontal tie-in
- Indoor manifold and controls
- Coordinate all work and requirements with the general contractor

Diverso Energy: Construction Phase •



Diverso Energy Will pre-drill the entire loop under the building's footprint before site work begins

- No impact on construction timeline
- Can often begin before final building permit



Diverso: Construction Phase





Diverso: Construction Phase





Valve Vault

