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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

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**FORM 8-K**

**CURRENT REPORT  
PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934**

Date of report (date of earliest event reported): May 11, 2015



(Exact name of registrant as specified in its charter)

**Delaware**  
(State of incorporation)

**001-36103**  
(Commission file number)

**04-3536131**  
(IRS Employer Identification No.)

**45 First Avenue**  
**Waltham, Massachusetts**  
(Address of principal executive offices)

**02451**  
(Zip Code)

**(781) 622-1120**  
(Registrant's telephone number, including area code)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**Item 7.01. Regulation FD Disclosure**

Beginning on May 11, 2015, the Company will be presenting at conferences and various public and private forums. The conferences and meetings will include presentation slides that are being furnished as Exhibit 99.1 to this Current Report on Form 8-K.

The information in this Item 7.01 and Exhibits 99.1 to this Form 8-K shall not be deemed "filed" for purposes of Section 18 of the Exchange Act or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act or the Exchange Act, except as expressly set forth by specific reference in such a filing.

**Item 9.01 Financial Statements and Exhibits**

(d) Exhibit

The following exhibit relating to Item 7.01 shall be deemed to be furnished, and not filed:

99.1 The presentation slides dated May 11, 2015.

**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Company has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

TECOGEN INC.

/s/ David A.  
By: Garrison  
David A. Garrison  
Chief Financial  
Officer

Dated: May 11, 2015

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## Exhibit Index

<u>Exhibit</u>	<u>Description</u>
99.1	Presentation slides dated May 11, 2015.



NASDAQ: TGEN



## Safe Harbor Statement

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This presentation included forward-looking statements within the meaning of Section 27-A of the Securities Act of 1933, and Section 21-E of the Securities Exchange Act of 1934. Such statements include declarations regarding the intent, belief, or current expectations of the Company and its management. Prospective investors are cautioned that any such forward looking statements are not guarantees of future performance, and involve a number of risks and uncertainties that can materially and adversely affect actual results as identified from time to time in the Company's SEC filings. Forward looking statements provided herein as of a specified date are not hereby reaffirmed or updated.



# Tecogen

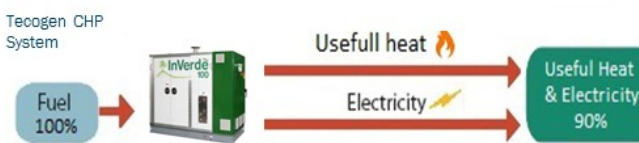
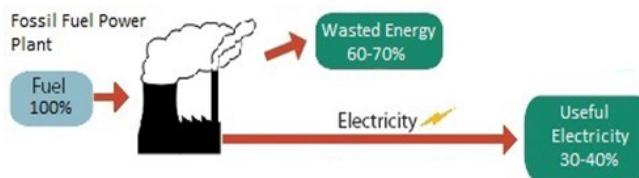
## Revolutionizing Distributed Generation

**Tecogen Core Business**

- Build, Sell, Install, and Service Advanced, Modular Combined Heat and Power (CHP) Systems
- Proprietary Technology
- Industry Leader

**Other Build/Sell/Service Business**

- Gas Driven Chillers
- Gas Driven Heat Pumps (Ilios)
- Ultra Emission Retrofit Kits
- Turnkey Installation Services



Heat, Power and Cooling that is Cheaper, Cleaner, and More Reliable



## Market Opportunity

### Dramatic Improvements in DG Technology

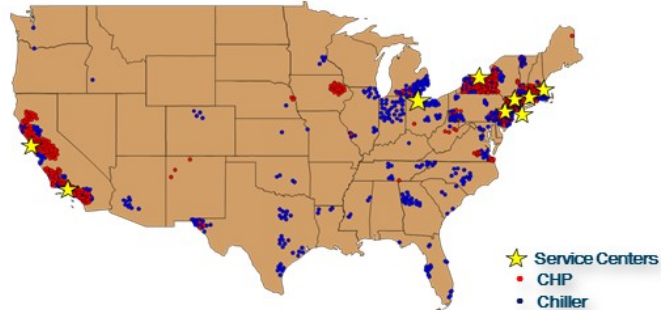
Unique Benefits	Market Resurgence	Financial Strengths
<ul style="list-style-type: none"> <li>▪ Driven by High electric, low gas prices</li> <li>▪ Dramatic, long-term savings</li> <li>▪ Differentiated technology</li> </ul> <p>▪ Tecogen deliver strong ROI to Diverse Market Applications</p>	<ul style="list-style-type: none"> <li>▪ Significant growth in large markets (NY, CA)</li> <li>▪ Historic market barriers eliminated</li> <li>▪ Business model unaffected by recent changes in energy prices</li> </ul> <p>▪ Stringent emission standards require Ultra Low Emission System</p>	<ul style="list-style-type: none"> <li>▪ Excellent margins</li> <li>▪ Increasing revenues</li> <li>▪ Service backlog</li> <li>▪ Substantial scalability</li> </ul> <p>▪ Proprietary technology backed by domestic &amp; international patents</p>



# The Company

## Origins

- Thermo Electron Research Center (now Thermo Fisher Scientific)
- Long associations with US natural gas industry and national labs



## Key Stats

- Headquartered in Massachusetts
  - 75 Employees
- Nine service centers
  - ~ 50% of company revenue
- 2000+ units shipped
  - Domestic/international
  - Product pricing \$50-300k
- Revenue: \$19.3 M (2014)

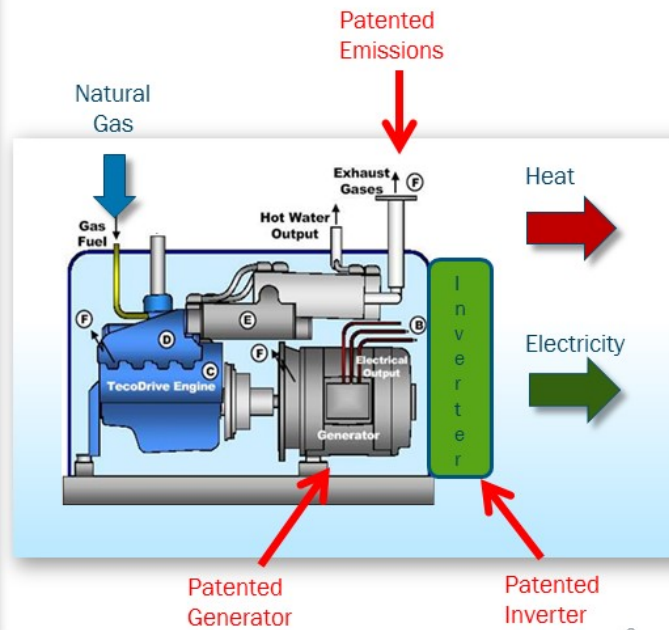






## CHP Fundamentals

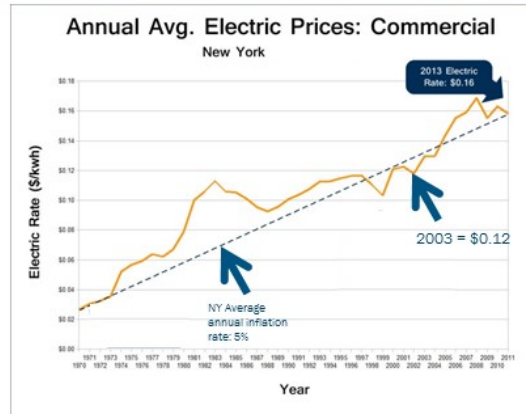
- CHP is an efficiency measure
- Basis is intrinsic low efficiency of central station power
  - Approximately 30-40%
  - Highly resistant to improvement
- CHP relocates power generation to onsite
  - Waste heat purposefully used
  - Efficiency increased two fold (90%)
  - Energy costs sharply reduced
- Appeal has broadened
  - Carbon mitigation, grid relief, backup power, etc.





# CHP Economics

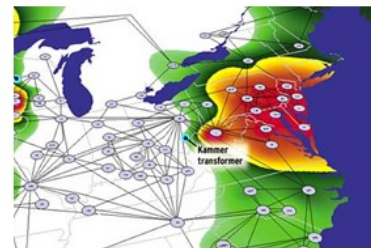
- High electric rates, low gas rates drive CHP, Chiller savings
  - Electric rates are primary driver
  - Gas rates secondary
  - High efficiency is essential
- Demand reduction contribute to savings
  - Punitive demand charges during peak use
  - Several demand charges layer together
- Ilios product hedges high gas prices
  - Ilios has highest savings when gas prices are high
  - Strong markets in remote/island geographies (high propane costs)





## Other CHP Drivers

- **Resilience to Grid Failure**
  - Aging grid infrastructure
  - Congested sub-stations
  - Storm, natural disaster vulnerability
  - Terrorism concerns
- **CHP Better suited for urban environments**
  - Wind, Solar not practical
  - Fuel cells cost prohibitive
- **Environmental Benefits**
  - Reduces Carbon footprint by 50%
  - Ultra low criteria emissions (CO, NO<sub>x</sub>) on par with Fuel Cell
- **Modular Installation**
  - Easier to locate
  - Sequential capacity increases





# Product Suite

**CHP Modules**



**Electricity & Heat**

**TECOCHILL Water Chillers**



**Cooling & Heat**

**Ilios Water Heaters**



**2-3x Heat Efficiency**

**Ultra-low Emission Kits**





# InVerde Product Features

## Economic Comparison

Features
▪ 100 kW base machine
▪ Widely deployed to 1.2 MW (no limit)
▪ Ultra Emissions compliant with CA standards
▪ Power converter certified as “utility” safe (UL 1741)
▪ Fast-track permitting
▪ Unique micro-grid system capability <ul style="list-style-type: none"> <li>– Fully operational during blackouts</li> <li>– Standard feature</li> </ul>

\$ (000s)/yr	65 kW Microturbine	200 kW Fuel Cell	Tecogen InVerde
Revenue Energy Delivered	\$87	\$207	\$137
Recurring Costs Fuel/Maintenance	\$60	\$161	\$86
Installed Cost	\$162	\$1,264	\$219
Simple Payback (Years)	6.03	27.50	4.24
Black Start operation control	Batteries (\$ not included)	Batteries (\$ not included)	Standard

Source: EPA Catalog of CHP Technologies





# TECOCHILL Product Features

Economic Comparison (800 ton)

- | Features  |
|---|
| <ul style="list-style-type: none"> <li>▪ Significant savings over electric chillers                             <ul style="list-style-type: none"> <li>- Electric tariffs especially punitive to electric chillers</li> <li>- Gas engines = lower operating costs</li> </ul> </li> <li>▪ Installation, operation well known                             <ul style="list-style-type: none"> <li>- Same maintenance, operation as electric chillers</li> </ul> </li> <li>▪ Engine's hot water available for heating process</li> <li>▪ Widely deployed                             <ul style="list-style-type: none"> <li>- US, Mexico, International</li> </ul> </li> <li>▪ <u>Tecogen Has No Competition</u> <ul style="list-style-type: none"> <li>- Only gas engine chiller manufacturer</li> </ul> </li> </ul> |

\$ (000s)/yr	Std Efficiency Electric Chiller	High Efficiency Electric Chiller	Tecochill (2 x 400)
Electricity	\$144	\$93	\$36
Peak Demand Charge	\$94	\$94	\$16
Maintenance	\$22	\$22	\$40
Gas	\$ 0	\$0	\$16
<b>Total Cost</b>	<b>\$ 260</b>	<b>\$209</b>	<b>\$108</b>

\* Install costs same for all

**TECOCHILL**<sup>®</sup>  
Gas Engine Driven Chillers





## Ilios High Efficiency Water Heating 2-3x Efficiency of Conventional Boiler

### Features

- Ilios 64% owned by Tecogen
- Commercial products in 2012
- Displaces expensive boiler use
- High efficiency engine
- Water Source Unit Gaining Traction
  - Simultaneous heating and cooling
  - Displaces expensive electric and fuel
  - Ideal for manufacturing, industrial sites
- 10 units already in 2015
  - 4 additional in backlog
  - Expect many more orders in 2015

\$ (000s)/ yr	Std Boiler & Electric Chiller	Electric Heat Pump	Ilios WS Heat Pump
Operation Cost	\$36	\$23	\$10
Maintenance	\$1	\$0	\$4
Total Cost	\$ 37	\$23	\$14



Efficiency = 2-300 %



# Emission System

## Features

- Patent Protected
- Third party verification
- Long-term tests
- Proven in a larger industrial engine (Caterpillar)
- Expanded to natural gas generators
- Shipments to NY, NJ, CA

## Ultra Retrofit System

- Tecogen CHP, Chillers, Ilios Systems √ (2012)
- Stationary Engines √ (2014)
- Natural Gas Generators √ (2015)
- Small industrial mobile engines ant. 2016
- Large industrial mobile engines tbd
- Natural gas vehicle fleets tbd



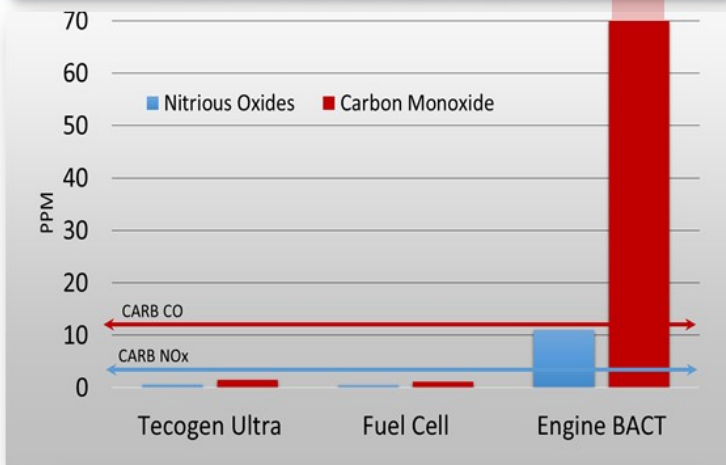




## Patented Advanced Ultra-Clean Emissions System

Compliant with New California Emissions

### Criteria Pollutant Emissions by Source



- Ultra-Clean Emissions is an option on all Tecogen products.
- Retrofit kit installed at water district pumping station.
- Opportunity - all gas water pumping in Southern California
- Retrofit kit functioning on a standby generator for a large Southern California customer.
- Opportunity - demand response and load shaving.




# Turnkey Business

**Concept**

- Successful program initiated in California
  - Upgrade service center to provide consulting and installation services
  - Utilize team of subcontractors charged with well-defined/ familiar scope
  - Provide specialized engineering intelligence in less familiar areas
  - Utilize service center for onsite satisfaction
- Extraordinarily successful
  - High equipment utilization and customer satisfaction
  - Service group ownership of entire project
  - Revenue expanded

**Expansion**




- Northeast in 2013
- Southern Mid-Atlantic in 15
- Expanded staff
- Projects in MA, PA, NY, NJ, CA





## Future Even More Promising

Confluence of Factors

Natural Gas	Vulnerability of Electric Power Grid	Carbon Curtailment	Alternative and Renewables
<ul style="list-style-type: none"><li>▪ Abundant supply</li><li>▪ Low cost</li><li>▪ Preferred fuel/low carbon content</li></ul> 	<ul style="list-style-type: none"><li>▪ Exposed by natural disasters</li><li>▪ Prolonged/widespread</li><li>▪ Outage security highly valued</li></ul> 	<ul style="list-style-type: none"><li>▪ Transitioned into mainstream discussion</li><li>▪ Impact on policy is significant</li></ul> 	<ul style="list-style-type: none"><li>▪ Marginal effectiveness</li><li>▪ Unaffected by reduced energy prices</li><li>▪ Savings based on the Spark Spread</li></ul>



# Financial Metrics

## Revenues, Margins, Growth

### Tecogen Revenue & Margins

- Three revenue streams
  - Product sales
  - Long-term service contract
  - Turnkey Installation through Tecogen service operations
- Low cost basis of products
  - Excellent margins for products and service
  - Lean Manufacturing Platform
- Total project revenue
  - Multiple of base product sale
  - Engineering services and assurance on correct installation

### Revenue Contributions

	2014
Products:	
Cogeneration	\$ 5,364,810
Chiller	3,260,224
<b>Total product revenue</b>	<b>8,625,034</b>
Services	7,438,125
Installations	3,279,505
<b>Total service revenue</b>	<b>10,717,630</b>
<b>Total revenue</b>	<b>\$ 19,342,664</b>

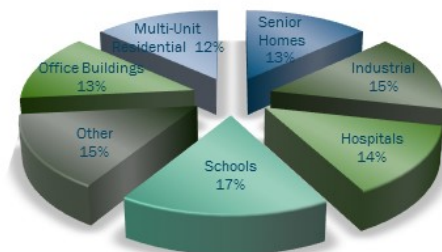
Consistent Margin 35-40%



# Sales and Marketing

## Sales Network

- 8 FT Direct Sales (MA, CA, FL, NY, CT)
- Manufacturer Representatives
  - 30 Reps in 26 states/ 11 countries
  - Commision based
- Sales Agents
  - 10 Independent project developers
  - Commision based
- Energy Service Companies (ESCOs)
  - Large project developers
  - Key relationships with large ESCOs (e.g. JCI, Honeywell, Siemens, Ameresco)
- Supported by company employed applications and support engineers
- Sales include contracts (68%)
- Service centers provide turnkey services





# Product Deployment

Medical, Educational, Industrial, Commercial and Multi-Unit Dwelling





# Competitive Positioning

	CHP	TECOHILL Chillers	Ilios Heating Systems
Competition	<ul style="list-style-type: none"> <li>• Capstone, regional players</li> </ul>	<ul style="list-style-type: none"> <li>• York / Caterpillar (new)</li> <li>• Gas absorption</li> </ul>	<ul style="list-style-type: none"> <li>• No direct comparables</li> <li>• Conventional heaters</li> </ul>
Strengths	<ul style="list-style-type: none"> <li>• IP, cost, efficiency, emissions, microgrid</li> </ul>	<ul style="list-style-type: none"> <li>• IP, cost, efficiency, emissions</li> </ul>	<ul style="list-style-type: none"> <li>• IP, efficiency, emissions</li> </ul>
Key Markets	<ul style="list-style-type: none"> <li>• Strict emissions regulation</li> <li>• Interconnection barriers for conventional systems</li> <li>• Vulnerable grid</li> <li>• High electric rates</li> </ul>	<ul style="list-style-type: none"> <li>• Similar to InVerde</li> <li>• High demand charges</li> </ul>	<ul style="list-style-type: none"> <li>• High fuel prices</li> </ul>



## Growth Strategy

<p><b>Expansion in Existing Markets</b></p>	<ul style="list-style-type: none"> <li>▪ Possess strong technical advantages</li> <li>▪ Markets largely untapped</li> <li>▪ Superior value proposition</li> </ul>
<p><b>Expansion of Turnkey Service Centers</b></p>	<ul style="list-style-type: none"> <li>▪ Leverage experience to capture more revenue</li> <li>▪ Become sole source for energy companies</li> <li>▪ Bolster direct sales effort</li> </ul>
<p><b>Ilios Platform Commercialization</b></p>	<ul style="list-style-type: none"> <li>▪ Specialized marketing team</li> <li>▪ Primary focus will be areas with high fuel cost</li> </ul>
<p><b>Leverage Emissions Innovation</b></p>	<ul style="list-style-type: none"> <li>▪ Develop retrofit business in California</li> <li>▪ Expand regionally; partnered with gas utilities</li> <li>▪ Partner with engine suppliers</li> </ul>
<p><b>Acquisition Targets</b></p>	<ul style="list-style-type: none"> <li>▪ Construction company to improve turnkey operations</li> <li>▪ Heat pump manufacturer to accelerate Ilios markets</li> <li>▪ Catalyst company to accelerate emissions projects</li> </ul>

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# Management Team

## **John Hatsopoulos,**

**Co-Chief Executive Officer & Board Member**

- CEO since the company's organization in 2000
- Co-Founder of Thermo Electron Corp., which is now Fisher Scientific (NYSE:TMO)
- As Thermo Electron CFO, grew company from a market capitalization of ~\$100 million in 1980 to over \$2.5 billion

## **Benjamin Locke,**

**Co-Chief Executive Officer**

- Co-CEO since 2014, joined the company as General Manager in June of 2013.
- Prior to Tecogen, served as Director of Business Development and Governmental Affairs at Metabolix from 2001. Served as Vice President of Research at Innovative Imaging Systems prior to Metabolix.

## **David Garrison,**

**Chief Financial Officer, Secretary & Treasurer**

- Chief Financial Officer since 2014.
- Over 20 years of manufacturing experience in the role of CFO. Both public and private companies from a variety of industries including medical device, defense and consumer products.

## **Robert Panora,**

**Chief Operating Officer & President**

- COO and President since the Company's organization in 2000; COO of Ilios, subsidiary of Tecogen, since inception in 2009
- General Manager of Tecogen's Product Group since 1990 and Manager of Product Development, Engineering Manager, and Operations Manager of the Company since 1984



## Board of Directors

### Angelina Galiteva, Chairperson of the Board

- Chairperson of the Company since 2005
- Founder and Chair of the Board for the Renewables 100 Policy Institute, a non-profit entity dedicated to the global advancement of renewable energy solutions since 2008
- Chairperson at the World Council for Renewable Energy and Board member of the Governors of the California ISO.

### John Hatsopoulos, Co-Chief Executive Officer, Director

- CEO since the Company's organization in 2000
- Co-Founder for Thermo Electron Corp., what is now Thermo Fisher Scientific (NYSE: TMO)
- As Thermo Electron CFO, grew company from a market capitalization of ~\$100 million in 1980 to over \$2.5 billion

### Earl Lewis, Director

- Board member since 2014
- Chairman of Harvard Bioscience
- Trustee of Clarkson University
- History of managing companies through large growth cycles into successful organizations

### Charles Maxwell, Director, Chair of Audit Committee

- Company Board Member since 2001
- 40 years of energy sector specific experience with major oil companies and investment banking firms
- Former Senior Energy Analyst with Weeden & Co.
- Board member of the publicly traded companies Daleco Resources Corp., Lescarden Inc., and Chairman of American DG Energy, Inc.

### Joseph Aoun, Director

- Company Board Member since 2011
- Incumbent President of Northeastern University
- Recognized leader in higher education policy; serves on the Board of Directors of the American Council on Education, Boston Private Industry Council, Boston World Partnerships, Jobs for Mass, and the New England Council

### Ahmed Ghoniem, Director

- Company Board Member since 2008
- Ronald C. Crane Professor of Mechanical Engineering at MIT
- Director of the Center for 21<sup>st</sup> Century Energy and Head of Energy Science and Engineering at MIT
- Associate Fellow of the American Institute of Aeronautics and Astronautics



## Contact Information

### Company Information

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### Contact

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