

Symbiont Service Corp.

Go Green • Go GeoThermal

“One Company, One Call, Complete Comfort!”



GEOHERMAL POOL/SPA HEATING PROPOSAL

FOR

Westminster Community

LEHIGH ACRES, FLORIDA



Symbiont Service Corp.

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May 20, 2016

Westminster Community Association, Inc.
c/o Myers Brettholtz & Co.
Attention: Paul Braid
12671 Whitehall Drive
Ft. Myers, Florida 33907

Re: Proposal for 86°F Pool, 104°F Spa, No Blankets

Dear Mr. Braid & Owners:

Enclosed please find our submittal data and proposal to heat the pool and spa at Westminster Community with the efficient **Symbiont GeoThermal Pool/Spa Heating System**.

The Symbiont™:

- like gas, is unaffected by outdoor air temperatures or sunshine
- costs approximately **74% less** to operate than gas
- pays for itself from savings in approximately **2.79 years**
- has a **20 year** serviceable life expectancy, with savings of **\$295,000** during its life-cycle
- enables a **35.85%** Return on Investment
- is environmentally friendly; gas is not
- can cool your pool, gas cannot
- has the best **GeoThermal** warranty in the industry, i.e. **5-years labor, 7-years all parts** on the Symbiont unit and **Lifetime titanium parts on the condenser and evaporator heat exchangers**. We are the factory-authorized service center for all **Symbiont™** products.

Please ask us about the 0% down financing plan, which makes it possible to install the GeoThermal system without an assessment to the owners. Pay for the new system with the savings it provides. Many associations are putting their gas budgets to work and getting something for that money instead of just burning it.

Also, note our commercial installation list and how often people have us work for them more than once.

Thank you for the opportunity to bid on your pool and spa heating needs. For more information regarding our products and company, please visit our website at www.symbiontservice.com.

Sincerely,
Symbiont Service Corp.

Sarah Hill

Encl.

Symbiont Service Corp.

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POOL/SPA HEATING SUBMITTAL DATA PROJECT:

Westminster Community
2291 Oxford Ridge Circle
Lehigh Acres, Florida 33973



Proposal for 86F Pool, 104F Spa, No Blankets

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xWestminster(Lehigh)

05/20/2016

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Florida Gulf Coast University Aquatic Center



Florida Gulf Coast University Aquatic Center, located in Lee County, Florida, near Fort Myers, features a state-of-the-art stainless steel 50-meter Competition Pool and adjacent Diving Pool built by Weller Pool Constructors, Inc., Orlando, Florida, in 2004.



The 670,700-gallon 50-meter competition pool is heated and cooled to 84 degrees F winter and summer by five (5) Symbiont Model PHH-250-RV Geo-Thermal Heat Pumps, extracting heat from, or rejecting heat into, one common 200' deep aquifer supply well and returning the water to a second 200' deep aquifer well located several hundred feet away.

The 329,625 gallon Dive Pool is heated and cooled to 82 degrees F winter and summer by two (2) Symbiont Model PHH-250-RV Geo-Thermal Heat Pumps, which also extract heat from, or reject heat into, the common 200' deep aquifer supply well and return it to the second well.



Symbiont Service Corp's engineering department projects operational savings of approximately \$75,000 annually with the 20-year life Symbiont systems over conventional gas heaters, with very little adverse affect on the environment.



For more information on the Symbiont™ pool/spa heating system, visit our website:

SymbiontService.com

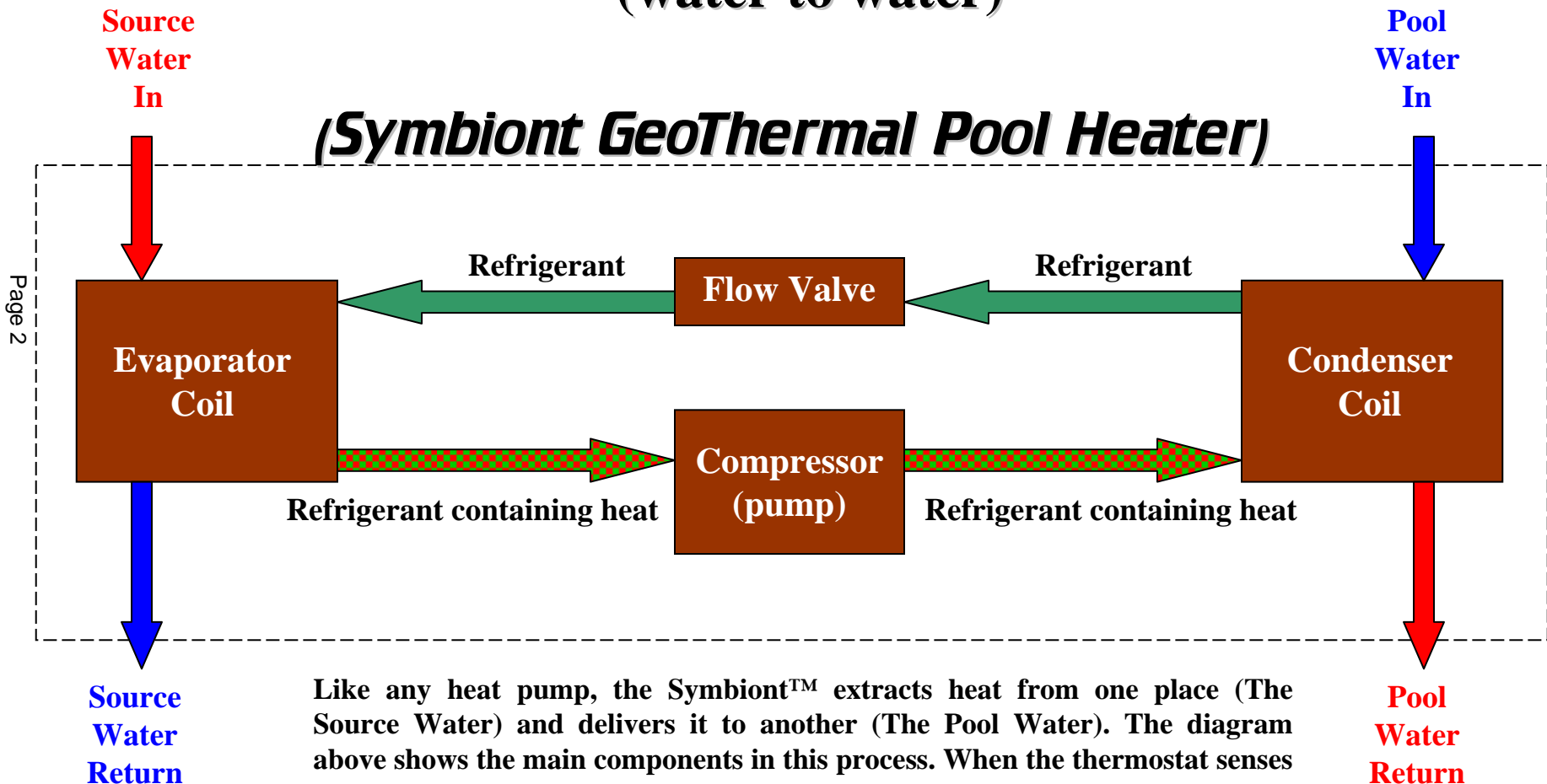
or call us anytime:

941-474-9306

HOW A **SYMBIONT™** WORKS

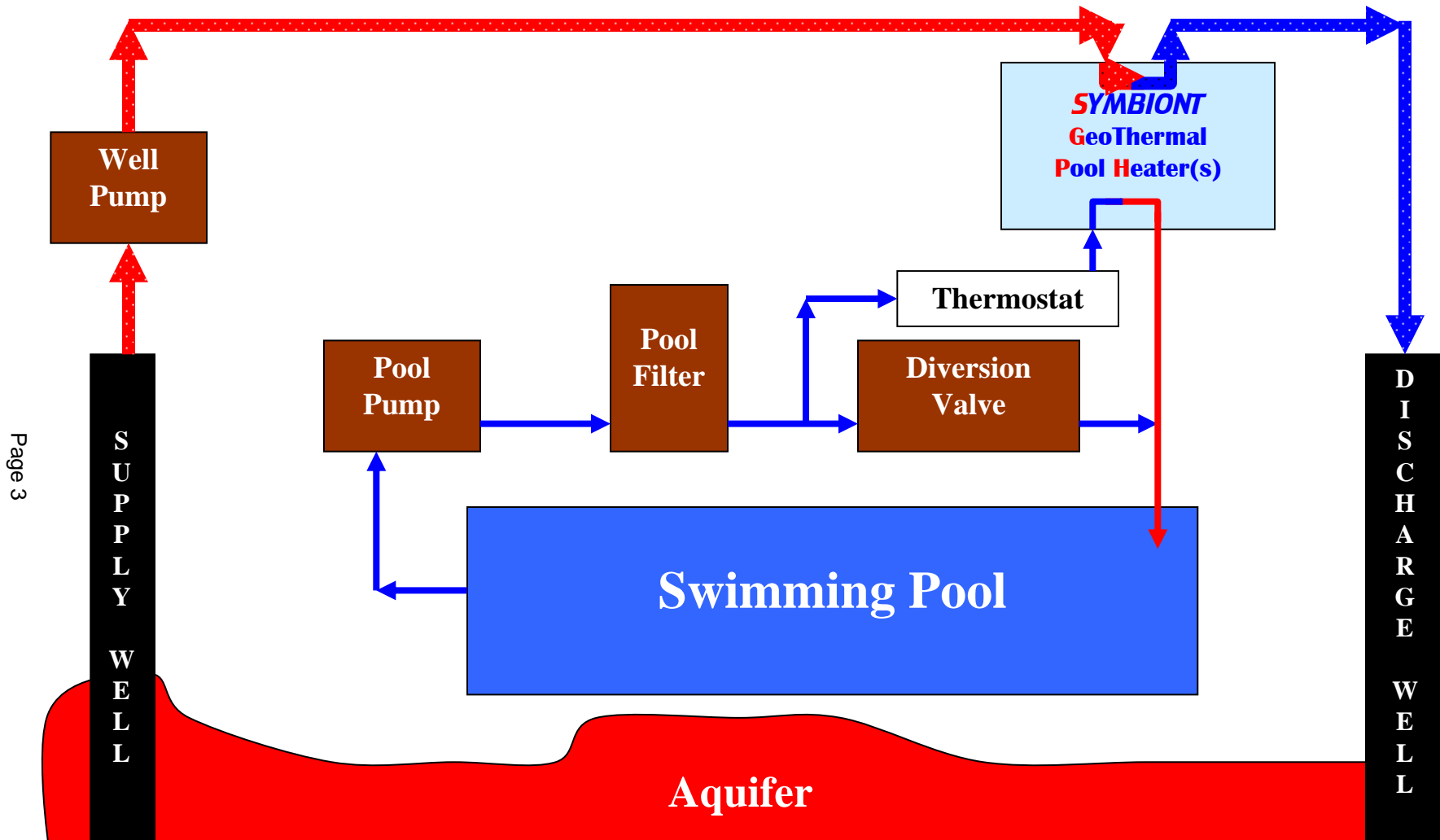
Heating Cycle

(water to water)



Like any heat pump, the Symbiont™ extracts heat from one place (The Source Water) and delivers it to another (The Pool Water). The diagram above shows the main components in this process. When the thermostat senses the pool needs heat, the system cycles on to start the process. The compressor moves refrigerant through the system, absorbing heat from the source water and transferring that heat to the pool water. The two waters *do not* mix. This cycle continues until the pool reaches its desired temperature, and the system will turn off.

Aquifer Wells as the Heat Source



As illustrated above, pool water passes by the Thermostat and through the heater prior to returning to the pool. When the Thermostat senses the pool needs heat the system cycles on and the well pump begins to deliver water to the heater(s). The well water and pool water never mix. The Symbiont then transfers the heat stored in the well water to the pool water through a refrigerant cycle detailed in a separate diagram. The transfer of free heat in a water to water system (GeoThermal) is much more efficient than that of an air to water system (standard heat pumps) or a heat generated system (gas heater). Because the ground water remains a constant temperature throughout the year, the Symbiont GeoThermal system can exceed the performance of either the standard heat pumps or the gas heaters. When the pool has reached the desired temperature the heater(s) and well pump will cycle off.

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POOL/SPA HEATING SUBMITTAL DATA

PROJECT:

Westminster Community
2291 Oxford Ridge Circle
Lehigh Acres, Florida 33973



PRELIMINARY NOTES:

1. Calculations are based upon the specified design temperatures and the other input data, including 30-year historic US Weather Bureau statistics for your geographic area. Since we have no control over the pool or spa thermostat settings, the use of the air blower or the weather incurred, we cannot offer an expressed or implied cost of operation guarantee.
2. An electric rate of \$0.12 per KWH was assumed.
3. **When analyzing your gas costs consider the following:**
 - a.) The actual dollar amount spent in the past may have been at a lower gas rate or a lower pool temperature.
 - b.) Our projections are for continuous, uninterrupted pool heat for the entire pool heating season.
4. Proposal is based upon a 45,000 gallon pool and a 1,250 gallon spa.

xWestminster(Lehigh)

05/20/2016

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POOL/SPA HEATING SUBMITTAL DATA

PROJECT:

Westminster Community
2291 Oxford Ridge Circle
Lehigh Acres, Florida 33973



SAVINGS/PAYBACK RECAP:

Proposal for 86F Pool, 104F Spa, No Blankets

INSTALLATION COSTS:

Symbiont(s)	\$	49,335.00
Gas Heater(s) Replacement	\$	8,000.00

JOB COST DIFFERENCE: **\$ 41,335.00**

PROJECTED COST OF OPERATION

(ASSUMES UNRESTRICTED OCT THRU MAY HEATING):

Gas Heating Budget	\$	22,006.40
Symbiont Heating	\$	5,180.85

ANNUAL SAVINGS: **\$ 16,825.55**

PAYBACK FROM SAVINGS IN YEARS: **2.46**

RETURN ON INVESTMENT*

(COMPARE TO INTEREST-BEARING ACCOUNTS): **40.71%**

SAVINGS OVER THE 20 YEAR LIFE OF THE SYMBIONT **\$ 336,510.91**

*If the lost interest income is a concern initially, remember the added interest income on savings after the payback period is substantially more.

xWestminster(Lehigh)
05/20/2016

Symbiont Service Corp.

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4372 North Access Road, Englewood, Florida 34224
941.474.9306 • 800.881.4328 • Fax 941.473.9306
GeoThermalFlorida.com • Info@SymbiontService.com

Pool Heating • Air Conditioning

"One Company, One Call, Complete Comfort!"



POOL/SPA HEATING/COOLING PROPOSAL

Lic #: CAC035549 • EC0002946
CBC1258380 • CPC1456477

Proposal Submitted To:

**Westminster Community Association, Inc.
c/o Myers Brettholtz & Co.
12671 Whitehall Drive
Ft. Myers, Florida 33907**

Job Name:

Date: **May 20, 2016**

**Westminster Community
2291 Oxford Ridge Circle
Lehigh Acres, Florida 33973**

We hereby submit specifications and estimates for:

3 Symbiont Model PH-090-TT-RV GeoThermal Pool Heat/Cool Units

1 Symbiont Model PH-050-TT GeoThermal Spa Heater

TT = titanium condenser and evaporator heat exchangers

Source Water: Well Water

2 4" x Aquifer Wells, including Well Permits

1 Pump Installation

Well water trenching, piping, backfill,
concrete pad & upgrade heater by-pass.

Electric: Install new service from existing
power company transformer, if adequate.

Complete* installation including controlling digital thermostats.

\$ 49,335.00

* Local permits additional as required.

Manufacturer's Limited Warranty:

One year Symbiont Service Corp. all parts and labor on the installation.

Five year manufacturer's labor on the Symbiont units.

Seven year manufacturer's all parts only on the Symbiont units.

Lifetime parts on titanium tube portion of the condenser and evaporator heat exchangers.

All work done to code. All current discounts and promotions have been applied.

The labor, material and equipment required for this job will be furnished by Symbiont Service Corporation ("Symbiont") for a total of:

Forty-nine thousand three hundred thirty-five dollars and no/100 ----- \$49,335.00

\$14,801.00 Deposit With Order – Balance Billed per Attached Payment Schedule

Any alteration or deviation from the above scope of work involving extra costs will become an extra charge in addition to the quoted price based on time and materials pricing. Our workers are fully covered by Workmen's Compensation insurance. This contract consists of this proposal as well as the terms and conditions, all documents and exhibits referenced therein and the Limited Workmanship Warranty, all of which are hereby incorporated by reference. This proposal will be subject to withdrawal if not accepted within 30 days. Please make checks payable to "Symbiont Service Corporation".

I HAVE READ AND UNDERSTAND THIS PROPOSAL, THE TERMS AND CONDITIONS AND ALL DOCUMENTS AND EXHIBITS REFERENCED THEREIN AND AGREE TO BE BOUND BY THEIR TERMS.

ACCEPTANCE OF PROPOSAL: The above prices, specifications and conditions are satisfactory and are hereby accepted. Symbiont is authorized to do the work as specified. By signing below, Customer acknowledges that Customer is the owner of the property where work is to be performed.

Customer: _____
(print name)

Signature: _____

Date: _____

Respectfully submitted,

SYMBIONT SERVICE CORPORATION

By: _____
[Signature]

TERMS AND CONDITIONS

1. This proposal is subject to change without notice and is automatically withdrawn on the 30th day following its date of issue if not accepted in writing and a copy of this proposal returned to **Symbiont Service Corporation** ("Contractor"). If Customer cancels the Agreement prior to the start of work, Customer shall be liable for 10% of the total Agreement price as liquidated damages, because Contractor is unable to accurately measure its damages for the cancellation of the Agreement. Customer and Contractor agree that this amount is not a penalty. Contractor reserves the right to withdraw this proposal at any time prior to its acceptance or cancel this Agreement prior to the start of the work to be performed in the event the cost to complete the work varies from the initial standard pricing due to a typographical or mathematical error. As used in this Agreement, (a) the word "or" is not exclusive, (b) the word "including" is always without limitation, (c) "days" means calendar days and (c) singular words include plural and vice versa. Customer shall allow Contractor to post its sign and advertise at the project location during construction.
2. Customer agrees to provide Contractor with adequate access to electricity and other utilities as needed, the work site, and the work area adjacent to the structure. Contractor is not liable and Customer is solely liable for work installed by any person other than Contractor, unless otherwise specified by Contractor in this Agreement.
3. Contractor will not perform service, warranty and/or punch list work if Customer fails to timely pay Contractor, and Contractor may cease all work or terminate the Agreement if Customer fails to timely pay Contractor. Contractor customarily requires a deposit of 30% upon acceptance of the proposal. Customer agrees to pay interest of 1 1/2 % per month (ANNUAL PERCENTAGE RATE OF 18%), unless otherwise required by law, on the balance of any unpaid amounts. Payments received shall be applied first to interest on all outstanding invoices and then to the principal amount of the oldest outstanding invoices.
4. Should concealed or unknown conditions be at variance with conditions indicated in the description of the work to be performed from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this Agreement, the Agreement price shall be equitably adjusted upon notice thereof from the Contractor to the Customer. Contractor will submit written documentation of the increased charges to the Customer.
5. In the event that Federal, state, county, or municipal codes, regulations or permitting authorities require work not expressly set forth in this Agreement or differ materially from that generally recognized as inherent in work provided for in this Agreement, Customer shall pay for all extra costs incurred by Contractor in addition to the contract price.
6. Contractor is not responsible for any damage to private or public unmarked underground lines, or repairs of landscape, painted or finished surfaces.
7. For and in consideration of \$10 given by Contractor to Customer and already reflected in the Agreement price, the Customer shall defend, indemnify, and hold the Contractor, its officers, directors, agents, and employees (individually "indemnitee," collectively, the "indemnitees") harmless from and against any and all claims, demands, losses, damages, liabilities, expenses, or costs, including reasonable attorney's fees, costs and expenses of investigation, penalties, interest and amounts paid in settlement (collectively "Losses") incurred or to be incurred by Contractor, arising out of, relating to, or resulting from (1) personal injury, (2) wrongful death, or (3) property damages; including claims for those damages caused partly or wholly as a result of the negligence or wrongful acts of any of the indemnitees if the damages claimed relate to or arise out of, or are connected with the Agreement or the actions necessary to perform same. The Customer's duty under this provision is limited to a total of ONE MILLION AND NO/100 (\$1,000,000) DOLLARS for all damages, including costs and attorney's fees per occurrence for any single claim or suit. The parties also agree that this provision satisfies the requirements of Florida Statute §725.06 so that the indemnification provisions are valid and binding upon Customer.
8. This Agreement shall be governed by the laws of the State of Florida. Venue of any dispute arising out of this Agreement shall be in the county where the work is being performed, unless the parties hereto mutually agree otherwise. Should Contractor employ an attorney to institute litigation or arbitration to enforce any of the provisions hereof, to protect its interest in any matter arising out of or related to this Agreement, the Prevailing Party shall be entitled to recover all of its attorney's fees, costs and expenses incurred therein, including attorney's fees, costs, and expenses incurred at mediation, administrative, appellate or bankruptcy proceedings.
9. **WAIVER OF JURY TRIAL. THE PARTIES KNOWINGLY, VOLUNTARILY, IRREVOCABLY AND INTENTIONALLY WAIVE THE RIGHT TO A TRIAL BY JURY IN RESPECT TO ANY LITIGATION ARISING OUT OF OR PERTAINING TO THE AGREEMENT, OR ANY COURSE OF CONDUCT, COURSE OF DEALINGS, STATEMENTS (WHETHER VERBAL OR WRITTEN) OR ACTIONS OF ANY PERSON OR PARTY RELATED TO THIS AGREEMENT; THIS IRREVOCABLE WAIVER OF THE RIGHT TO A JURY TRIAL BEING A MATERIAL INDUCEMENT FOR THE PARTIES TO ENTER INTO THIS AGREEMENT.**
10. Unless otherwise provided: **THERE ARE NO EXPRESS OR IMPLIED WARRANTIES WHATSOEVER INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.** All warranties provided by Contractor shall be deemed null and void if Customer fails to adhere to the payment terms. All warranties are non-transferable, unless otherwise agreed to by Customer and Contractor in writing. Any express warranty provided, if any, by Contractor is the sole and exclusive remedy for alleged construction defects, in lieu of all other remedies, implied or statutory.
11. In no event, whether based on contract, warranty (express or implied), tort, federal or state statute or otherwise arising from or relating to the work and services performed under the Agreement, shall Contractor be liable for special, consequential, or indirect damages, including loss of use, loss of profits, or actions by third parties.
12. Unless otherwise specified, there is no specific completion date. However, Contractor will perform the work hereunder within a reasonable time and in a workmanlike manner. Contractor shall not be liable for any damages, and Customer waives all damages associated with delays in the completion of the work due to permitting or inspection issues, delays in obtaining materials or the transportation of materials, or delays caused by Customer or any person other than Contractor. Payment to Contractor is an absolute and independent obligation, and Customer shall not withhold any part of the Agreement amount for which payment is due under the Agreement as retainage or on account of alleged charge backs or set offs unless previously authorized by Contractor in writing. The total Agreement price, including the charges for changes/extras, shall be payable to Contractor in accordance with the agreed upon terms.
13. Contractor shall not be liable for any damage, whether actual or consequential, or claim arising out of or relating to Acts of God, accidents, civil disturbances, fires, weather conditions, strikes, war or other causes beyond Contractor's reasonable control. It is understood that the Customer maintains all necessary insurances for the property.
14. It is Customer's duty to notify Contractor in writing within 7 days of the occurrence of any claim, defect, default or deficiency arising out of work, services or materials provided by Contractor under this Agreement ("Occurrence"). Failure of the Customer to provide written notice of the Occurrence shall result in the Customer waiving all claims that may be brought against Contractor arising out of or relating to the Occurrence, including claims arising in law, equity, contract, warranty (express or implied), tort or federal or state statutory claims. Upon notification, Customer shall provide Contractor with a reasonable time of not less than 10 business days to cure or correct the Occurrence before terminating the Agreement, hiring a replacement contractor or taking any adverse or legal action against Contractor. Under this agreement, notice is proper if served on an officer of Symbiont and an officer of Customer or Customer individually.
15. The actual start-up and balance of the equipment will be completed upon satisfactorily passing all permitting inspections and completion of electrical supply provided by the power company. **Your final payment is due the day of equipment start-up.** Any additional charges for permits may be billed to you separately.
16. Within a week of completion and start-up a Symbiont Service representative will perform a walk through inspection with your Management and/or Maintenance staff to verify that your new System is in working order, and to answer any questions or concerns that you may have. If needed, we will also create a punch list of items needing correction which will be signed by the parties, and will include an estimated completion date for each item. The existence of a punch list does not and shall not constitute a basis for delaying any payment including final payment if all other conditions for final payment have been satisfied. Customer acknowledges that the punch list is to include only those items that are required pursuant to the contract, but which have yet to be completed at the time of the walk through inspection. Only one punch list shall be prepared for the Project. Extra or additional work that is outside the terms of the written contract will not be considered punch list items.
17. Each provision of the Agreement shall be construed as if both parties mutually drafted this Agreement. If a provision of this Agreement (or the application of it) is held by a court or arbitrator to be invalid or unenforceable, that provision will be deemed separable from the remaining provisions of the Agreement, will be reformed/enforced to the extent that it is valid and enforceable, and will not affect the validity or interpretation of the other provisions or the application of that provision to a person or circumstance to which it is valid and enforceable. This Agreement records the entire agreement of the parties and supersedes any previous or contemporaneous agreement, understanding, or representation, oral or written, by the parties. All documents/exhibits referred to in this Agreement are an integral part of the Agreement and are incorporated by reference. This Agreement incorporates the documents entitled "Limited Workmanship Warranty" and "Statutory Warnings." Customer acknowledges that it has read/agreed to all incorporated documents and exhibits.

Symbiont Service Corp.

Go Green • Go GeoThermal

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ORDER ACKNOWLEDGEMENT AND PAYMENT SCHEDULE



On behalf of the Symbiont Service Corp family, we wish to give a special thank you to **Westminster Community Association, Inc.** for "Going Green" and being environmentally responsible by installing your new energy-efficient Symbiont System.

This is to confirm your order, as detailed on your Proposal, in the amount of **\$49,335.00**. Upon receipt of the signed proposal, we will mail a package with the following items:
• Invoices/Request for Deposits • Partial Release of Liens, and • Payment Coupons
These are designed to help meet any needs you might have in your payment system

1. **Your Initial Deposit of \$14,801.00 is due at this time.** Please sign and return the white copy of this Order Acknowledgement along with your check in the enclosed envelope – Thank you!
2. **Progress Payment #2 for \$14,801.00 is due on the FIRST day of equipment installation.** Please have a check prepared for our Lead Installer to pick up that day.
3. **Progress Payment #3 for \$14,801.00 is due on the LAST day of equipment installation.** Please have a check prepared for our Lead Installer to pick up that day. Symbiont will provide notice to you of the date of the final day of installation.
4. **Progress Payment #4 for \$4,932.00 is due the day we start-up your equipment.** The actual start-up and balance of the equipment will be completed upon satisfactorily passing all permitting inspections and completion of electrical supply provided by the power company.
5. Please note that any additional changes and/or permits will be billed to you separately.
6. Shortly after your start-up, a Symbiont Service representative will perform a *courtesy* walk through with your Management and/or Maintenance staff to answer any questions or concerns that you may have as well as to explain the working of the system. Final payment is due before the *courtesy* walk through is performed.

Your warranty will begin the day of the start-up. Our goal is to offer your residents an unmatched Pool Heating experience while reducing our carbon footprint. Please contact **Sarah Hill**, your personal representative, with any questions you may have, and thank you again for your business.

Please sign and return the white copy of this Order Acknowledgement in the enclosed envelope.

Accepted For **Westminster Community**

Dated

Symbiont Service Corp, Account Receivables

Dated

*Please return the White Copy with your Initial Deposit - The Yellow copy is for your Records
For your convenience use the enclosed coupons for each of your payments*

Symbiont Service Corp.

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This document contains Proprietary Information that is privileged and confidential.

If you are the intended recipient, you are hereby notified that any dissemination or copying of this document in part or in whole is strictly prohibited. If you are not the intended recipient, nor the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any dissemination or copying of this document (including any attachments) is strictly prohibited.

The receiving Party acknowledges that monetary compensation may be sought as remedy for damages resulting from the unauthorized disclosure of Proprietary Information.

Proposal Submitted To:

Westminster Community Association, Inc.
Attention: Paul Braid
c/o Meyers Brettholtz & Co.
12671 Whitehall Drive
Ft. Myers, Florida 33907

Job Location:

Westminster Community
2291 Oxford Ridge Circle
Lehigh Acres, Florida 33973



Getting Started...

1. Preinstallation Survey



2. Permits



Moving Forward...

3. Subcontractor Management



4. Installation



5. Customer Walk-Thru



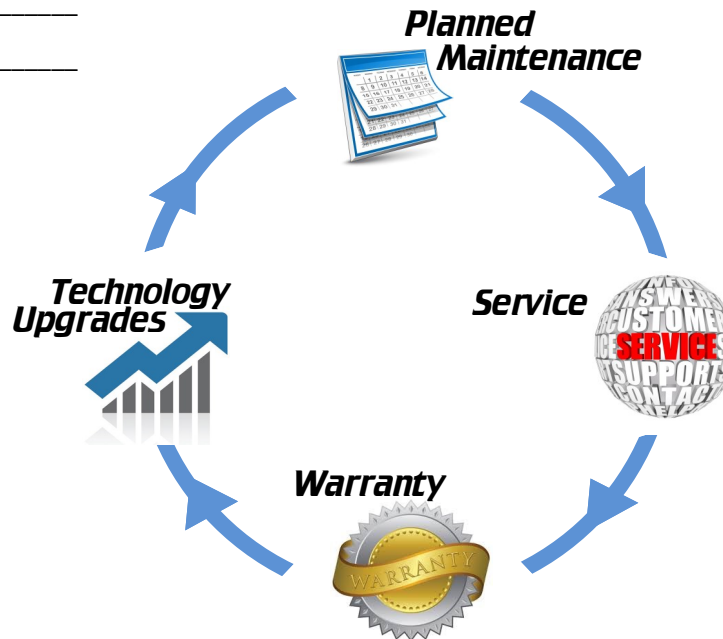
6. 6-month Check-up



7. Follow Up...from Your Sales Rep



Ongoing Customer Care...



Symbiont Service Corp.

"One Company, One Call, Complete Comfort!"

Office: 941-474-9306 -or- 800-881-4328

Geo Thermal Florida .com

Lic. # CBC1258380, CPC1456477, CAC035549, EC0002946

The Symbiont Difference

1. **Vibration isolators – noise reduction**
2. **Engineered hurricane ties – meets code and safety standards**
3. **Concrete pad (reinforced commercial) – longevity**
4. **Directional bore piping – minimizes impact to landscaping**
5. **Engineered aluminum equipment racks – minimizing footprint**
6. **Spears valves and fittings – industry leader**
7. **Brass pressure/temperature ports – accurate start-up and balance for optimum performance**
8. **Isolation ball valves with Viton seals on all inlets and outlets of Symbiont units – for optimum balancing**
9. **Schedule 80 nipples on all pumps – eliminating torque cracks**
10. **Headers supported by unistrut and hangers – professional installation**
11. **All rigid schedule 40 pvc piping (no flexible pvc) – for durability and longevity**
12. **All pumps properly sized and engineered – optimum flow and performance**
13. **Symbiont interlocking controller and single digital thermostat operation – for simplified operation**
14. **Installations comply with National Electric Code and local Florida Building Code**
15. **Six month post-installation inspection – to confirm system is working at factory specifications**
16. **Factory authorized service center – removes the middle-man**
17. **In-house service department for entire system – *“One Company, One Call, Complete Comfort!”***
18. **Fully stocked trucks – most repairs performed same day**
19. **Planned Maintenance program – maintain system life expectancy and efficiency**
20. **North American Technician Excellence (NATE) certified technicians – qualified service and maintenance technicians**
21. **Prompt service response time and 24-hour emergency service**
22. **Sole Source Solutions – *“One Company, One Call, Complete Comfort!”***
 - a. **We process all permitting**
 - b. **We hire, coordinate, and pay qualified subcontractors, as needed**
 - c. **We are State Licensed Contractors**
 - i. **Electrical**
 - ii. **HVAC**
 - iii. **Building**
 - iv. **Pool Service**
 - d. **Complete turn-key installation**
23. **Providing peace of mind – more than 1,000 satisfied customers over 35 years of expertise.**

Symbiont Service Corp.

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Description of Operation & Specifications

MODEL PH-090-TT



Features

- Modular Design with Easy Piping and Wiring Access
- Painted Aluminum Cabinets with Raised-Base Aluminum Chassis
- Insulated for Quiet Operation
- High Efficiency Scroll Compressor with Inherent Motor-Protector
- Titanium Tube-Fiberglass Shell Condenser and Evaporator Heat Exchangers
- Refrigerant Liquid Receiver and Filter/Dryer
- Refrigerant Sight-Glass with Moisture Indicator
- Thermostatic Expansion Valve
- High and Low Pressure Switches
- Time Delay Compressor Protectors
- Electronic Digital Pool/Spa Thermostat
- Factory Installed Reverse-Cycle Summer Pool Cooling
- ARL or ETL Listed/Approved

Description of Operation

The SYMBIONT™ Geo-Thermal Pool Heater is a high quality, high performance, dedicated water-to-water package heat pump.

The SYMBIONT™ is designed to provide high performance operation on private and public pools and spas. Like gas, the SYMBIONT™ is totally unaffected by outdoor weather conditions.

The SYMBIONT™, while competitively priced with either solar heating systems or air source heat pumps, costs substantially less to operate than any air source available. When cost of operation and dependability are considered, the SYMBIONT™ has no equal.

When the pool pump is running, and on demand of the thermostat, the SYMBIONT™ pool heater and source water pump are energized to heat the pool.

Like any heat pump, the SYMBIONT™ uses a refrigerant vapor compression cycle to extract free heat from one place (the heat source, either a well, a lake, or canal) and deliver it to another (the pool or spa). All you pay for is the electricity used by the compressor and pumps.

Specifications*

Source EWT (Entering Water Temp)	65F	75F
BTUH Rating	88,976	99,364
COP	5.26	5.82
Source/Pool Water GPM	30/25	
Source Water Connections FPT	2"	
Compressor	6 HP	
Volts/Hertz/Phase	208-230/60/1	
RLA	32.1	
LRA	148	
Minimum Circuit Ampacity	40.1	
Maximum Breaker	60	
Weight	290 lbs.	
Length/Width/Height	36" x 32" x 31"	

Symbiont Service Corp.

Go Green • Go GeoThermal

“One Company, One Call, Complete Comfort!”



Description of Operation & Specifications

MODEL PH-050-TT



Features

- Modular Design with Easy Piping and Wiring Access
- Painted Aluminum Cabinets with Raised-Base Aluminum Chassis
- Insulated for Quiet Operation
- High Efficiency Scroll Compressor with Inherent Motor-Protector
- Titanium Tube-Fiberglass Shell Condenser and Evaporator Heat Exchangers
- Refrigerant Liquid Receiver and Filter/Dryer
- Refrigerant Sight-Glass with Moisture Indicator
- Thermostatic Expansion Valve
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Specifications*

Source EWT (Entering Water Temp)	65F	75F
BTUH Rating	48,086	55,396
COP	6.24	7.01
Source/Pool Water GPM	30/20	
Source Water Connections FPT	2"	
Compressor	3 HP	
Volts/Hertz/Phase	208-230/60/1	
RLA	14.75	
LRA	74	
Minimum Circuit Ampacity	16.25	
Maximum Breaker	30	
Weight	225 lbs.	
Length/Width/Height	36" x 32" x 31"	

Symbiont Service Corp.

Go Green • Go GeoThermal

"One Company, One Call, Complete Comfort!"



ARIEL CONDO



Ft. Myers, Florida
70,000 Gallon Pool
84°F Pool Temperature
Installed January 1994

PINE RIDGE AT FT. MYERS VILLAGE



Ft. Myers, Florida
81,900 Gallon Pool
86°F Pool Temperature
1,830 Gallon Spa
104°F Spa Temperature
Installed June 2010

SCHOONER BAY CONDO



N. Ft. Myers, Florida
53,800 Gallon Pool
84°F Pool Temperature
Installed April 1998