

Heather Lake Homeowners Association Annual Meeting

1821 West Glenhurst Avenue, Hornbeck Residence

February 9, 2012, 7:00 p.m.

Attendance:

Trustees Present – Keith Hamilton, Neva Hornbeck, Pat Martino, Tom Nutini, Kim Reinbold

Also in Attendance – Don Hornbeck, Susan Nutini, Karl Reinbold

Announcements:

- Board Member/Trustee, Susan Thomas, notified the members of the board of her resignation, effective January 2012. Information regarding the Board/Trustee election was posted on the Web site; however, there were no respondents interested in filling available seats. Susan Nutini volunteered to act as Interim Board Trustee until there is a permanent placement to fill the vacancy created by Susan Thomas. The five board incumbents will retain their seats on the board and continue their service to the neighborhood.
- The residents have welcomed the HLHA Web site. Many residents have utilized the site to pay their fees electronically. The Web Master, Don Hornbeck, reported the site received 108 hits in the last 16 days. Creation of a Facebook page could be a future consideration.

Handouts:

- Board of Trustees Assigned Roles/Responsibilities – **Exhibit 1A**
- Financial Reports (Profit & Loss Budget vs. Actual, Open Invoices, Overview, Balance Sheet, Bank Account Registers, Park Budget) – **Exhibit 2A-2G**
- Park Reports (2011 Review, 2012 Goals/Objectives, Key Issues, Financial Proposal, Aqua Doc Quote, Vertex Aeration Info Sheet) – **Exhibit 3A-3G**

Financial Report: - Neva Hornbeck

Neva presented the above-mentioned reports, providing a detailed explanation of each. She stated all invoices received to date are paid. Based on the financial forecast the board felt there would not be a need to raise association fees.

The following properties have delinquent fees:

- Billiter Lot 37
- Collins Lot 13
- Edwards Lot 29
- Ellinwood Lot 66
- Hansel Lot 18
- Kurucz Lot 21

Neva said that she would personally reach out to each for reconciliation. The board approved the financial report as submitted.

Park Report: - Tom Nutini/Pat Martino

Tom Nutini presented reports on the park including an overview of last year's activity, goals for 2012, and a financial proposal for this fiscal year. He then provided an update to the Aqua Docs aeration system. After further conversation with the sales associate, he recommended a slight downgraded version of the system previously submitted. Based upon the size of the pond, he felt the larger system would be overly excessive. The board agreed and approved the purchase.

Tom stated a need for repairs of the asphalt walkway and pointed out that his estimate of \$2,000 was included in the 2012 Park Budget he submitted. The board agreed to proceed as discussed.

Kim brought up her concern regarding the cattails. She recommends continued and ongoing removal. Tom stated there is remaining chemical for the project.

Meeting Adjourned at 9:40pm

Action Items

- Susan - provide Jane Adams, Lot 36, a hard copy of the meeting minutes as requested
- Susan - e-mail Don all pertinent documents from this meeting for posting on the Web
- Tom - contact Aqua Docs and arrange for March installation (weather permitting)
- Neva - contact residents having delinquent fees
- Kim - research long-term and/or on-going violations resulting in fees due
- Kim - continue work on a plan for getting mailboxes repaired and up to Design Review Manual code
- All - begin thinking about ideas for spring clean up and calendar updates, both of which will be up for discussion at the next meeting

Next Meeting

April 3, 2012, 7:00 p.m.
1859 W. Glenhurst Dr., Hamilton Residence

Heather Lake Homeowners Association

Board of Trustees

Position & Assigned Tasks
February 2012

Administrative / Secretary – *Susan Nutini (Interim)*

Maintains and updates meeting schedule, secures meeting locations, prepares agendas, takes meeting minutes and distributes to trustees no later than two weeks after meeting, gathers information, for newsletters, assembles, prepares and distributes newsletters, assists trustees with document preparation as needed, assists trustees make phone calls as needed

Park Coordinator(s) – *Pat Martino, Tom Nutini*

Prepares annual budget, solicits contractor bids for board approved maintenance of common areas¹, coordinates general maintenance and repairs of common areas, conducts periodic meetings with contractors, provides park updates for publication in the association newsletter, monitors vegetation around the lake to ensure fishing access and address concerns as necessary, monitors the condition of the lake for existing algae and prevent/treats as necessary, inspects trees for insect damage and prevents/treats as necessary, monitors park draining and prevents/treats as necessary, responds to inquiries about draining in the subdivision, coordinates maintenance of association's fencing and signage, approves invoices for payment

Treasurer – *Neva Hornbeck*

Manages the association's funds in accordance with accounting practices, provides activity reports, prepares annual budget, tracks payments and maintains records, processes invoices, files government reports, to maintain association's active status, files association's annual taxes, renews post office box, retrieves association's mail at the post office, collects dues,

Architectural Review Board Coordinator – *Keith Hamilton*

Reviews construction plans submitted by residents and makes recommendations to the board, updates HLHA welcome packet and provides the information to new residents, monitors home sales in Heather Lake, updates/maintains a list of current residents

Deed Restriction Coordinator – *Kim Reinbold*

Monitors the neighborhood for violations, addresses and resolves deed restrictions/violations, assists treasurer with reaching out to residents who are over on HLHA fees

¹ Any/all area of the park and cul-de-sacs

EXHIBIT 2A

7:48 AM
01/29/12
Accrual Basis

**Heather Lake Homeowner Assoc.
Profit & Loss Budget vs. Actual
January through December 2011**

	<u>Jan - Dec 11</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
Ordinary Income/Expense				
Income				
Association fees	12,576.00	12,696.00	-120.00	99.1%
Late fees	362.73			
Misc. fees	5.00			
Total Income	<u>12,943.73</u>	<u>12,696.00</u>	<u>247.73</u>	<u>102.0%</u>
Gross Profit	12,943.73	12,696.00	247.73	102.0%
Expense				
Annual Meeting	20.28			
Bank fees	18.02			
Computer and Internet Expenses	219.35			
Copying	0.00	24.00	-24.00	0.0%
Electric for pond pump	39.00			
Insurance Expense	500.00	500.00	0.00	100.0%
Lake maintenance	3,190.00			
Landscaping and Groundskeeping				
Landscaping	1,505.70	1,250.00	255.70	120.5%
Mowing	4,845.75	6,000.00	-1,154.25	80.8%
Total Landscaping and Groundskeeping	<u>6,351.45</u>	<u>7,250.00</u>	<u>-898.55</u>	<u>87.6%</u>
Meals and Entertainment	0.00	100.00	-100.00	0.0%
Office Supplies	18.11	180.00	-161.89	10.1%
Postage and Delivery	120.32	91.00	29.32	132.2%
Taxes - Property	1,697.70	1,750.00	-52.30	97.0%
Total Expense	<u>12,174.23</u>	<u>9,895.00</u>	<u>2,279.23</u>	<u>123.0%</u>
Net Ordinary Income	769.50	2,801.00	-2,031.50	27.5%
Other Income/Expense				
Other Income				
Interest	52.30	60.00	-7.70	87.2%
Reserve fund	3,864.00	3,864.00	0.00	100.0%
Total Other Income	<u>3,916.30</u>	<u>3,924.00</u>	<u>-7.70</u>	<u>99.8%</u>
Other Expense				
Capital Improvements				
Native grass program	0.00	725.00	-725.00	0.0%
Pond Aeration	0.00	6,000.00	-6,000.00	0.0%
Total Capital Improvements	<u>0.00</u>	<u>6,725.00</u>	<u>-6,725.00</u>	<u>0.0%</u>
Total Other Expense	<u>0.00</u>	<u>6,725.00</u>	<u>-6,725.00</u>	<u>0.0%</u>
Net Other Income	<u>3,916.30</u>	<u>-2,801.00</u>	<u>6,717.30</u>	<u>-139.8%</u>
Net Income	<u>4,685.80</u>	<u>0.00</u>	<u>4,685.80</u>	<u>100.0%</u>

EXHIBIT 2B

7:34 AM

01/29/12

Heather Lake Homeowner Assoc.
Open Invoices
 As of January 31, 2012

Type	Date	Num	Due Date	Aging	Open Balance
Otto					
Invoice	12/9/2010	399	1/3/2011	393	100.00
Invoice	1/10/2011	FC 140	1/10/2011	386	5.00
Invoice	2/1/2011	FC 172	2/1/2011	364	5.00
Invoice	3/1/2011	FC 176	3/1/2011	336	5.00
Invoice	4/8/2011	FC 181	4/8/2011	298	5.00
Invoice	5/1/2011	FC 197	5/1/2011	275	5.00
Invoice	6/1/2011	FC 201	6/1/2011	244	5.00
Invoice	6/1/2011	468	7/1/2011	214	120.00
Invoice	7/15/2011	FC 221	7/15/2011	200	10.00
Invoice	8/10/2011	FC 239	8/10/2011	174	10.00
Invoice	9/13/2011	FC 251	9/13/2011	140	10.00
Invoice	10/18/2011	FC 263	10/18/2011	105	10.00
Invoice	11/18/2011	FC 273	11/18/2011	74	10.00
Invoice	12/1/2011	FC 309	12/1/2011	61	10.00
Invoice	12/1/2011	537	12/31/2011	31	120.00
Invoice	1/15/2012	FC 327	1/15/2012	16	15.00
Total Otto					445.00
Restivo					
Payment	12/22/2011	514			-5.00
Total Restivo					-5.00
Urban					
Invoice	12/1/2011	549	12/31/2011	31	120.00
Invoice	1/15/2012	FC 329	1/15/2012	16	5.00
Total Urban					125.00
TOTAL					1,705.00

EXHIBIT 2C

7:34 AM

01/29/12

Heather Lake Homeowner Assoc.
Open Invoices
 As of January 31, 2012

Type	Date	Num	Due Date	Aging	Open Balance
Billiter					
Invoice	5/1/2011	FC 195	5/1/2011	275	5.00
Invoice	6/1/2011	FC 199	6/1/2011	244	5.00
Invoice	6/1/2011	482	7/1/2011	214	120.00
Invoice	7/15/2011	FC 211	7/15/2011	200	10.00
Invoice	8/10/2011	FC 229	8/10/2011	174	10.00
Invoice	9/13/2011	FC 243	9/13/2011	140	10.00
Invoice	10/18/2011	FC 255	10/18/2011	105	5.00
Invoice	11/18/2011	FC 267	11/18/2011	74	5.00
Invoice	12/1/2011	FC 303	12/1/2011	61	5.00
Invoice	12/1/2011	551	12/1/2011	61	120.00
Invoice	1/15/2012	FC 311	1/15/2012	16	10.00
Total Billiter					305.00
Collins					
Invoice	12/1/2011	528	12/31/2011	31	40.00
Invoice	1/15/2012	FC 313	1/15/2012	16	5.00
Total Collins					45.00
Edwards					
Invoice	12/1/2011	566	12/1/2011	61	120.00
Invoice	1/15/2012	FC 317	1/15/2012	16	5.00
Total Edwards					125.00
Ellinwood					
Invoice	6/1/2011	512	7/1/2011	214	120.00
Invoice	7/15/2011	FC 215	7/15/2011	200	5.00
Invoice	8/10/2011	FC 233	8/10/2011	174	5.00
Invoice	9/13/2011	FC 247	9/13/2011	140	5.00
Invoice	10/18/2011	FC 259	10/18/2011	105	5.00
Invoice	11/18/2011	FC 269	11/18/2011	74	5.00
Invoice	12/1/2011	FC 305	12/1/2011	61	5.00
Invoice	12/1/2011	580	12/1/2011	61	120.00
Invoice	1/15/2012	FC 321	1/15/2012	16	10.00
Total Ellinwood					280.00
Hansel					
Invoice	6/1/2011	464	7/1/2011	214	100.00
Invoice	7/15/2011	FC 217	7/15/2011	200	5.00
Invoice	8/10/2011	FC 235	8/10/2011	174	5.00
Invoice	9/13/2011	FC 249	9/13/2011	140	5.00
Invoice	10/18/2011	FC 261	10/18/2011	105	5.00
Invoice	11/18/2011	FC 271	11/18/2011	74	5.00
Invoice	12/1/2011	FC 307	12/1/2011	61	5.00
Invoice	12/1/2011	533	12/1/2011	61	120.00
Invoice	1/15/2012	FC 323	1/15/2012	16	10.00
Total Hansel					260.00
Kurucz					
Invoice	12/1/2011	535	12/31/2011	31	120.00
Invoice	1/15/2012	FC 325	1/15/2012	16	5.00
Total Kurucz					125.00

EXHIBIT 2D

1:30 PM
01/29/12
Accrual Basis

**Heather Lake Homeowner Assoc.
Profit & Loss Budget Overview
January through December 2012**

	<u>Jan - Dec 12</u>
Ordinary Income/Expense	
Income	
Association fees	12,576.00
Late fees	240.00
Total Income	<u>12,816.00</u>
Gross Profit	12,816.00
Expense	
Annual Meeting	25.00
Bank fees	60.00
Computer and Internet Expenses	120.00
Copying	24.00
Electric for pond pump	900.00
Insurance Expense	500.00
Lake maintenance	5,000.00
Landscaping and Groundskeeping	
Mowing	6,000.00
Landscaping and Groundskeeping - Other	<u>3,550.00</u>
Total Landscaping and Groundskeeping	9,550.00
Office Supplies	180.00
Postage and Delivery	150.00
Taxes - Property	<u>1,750.00</u>
Total Expense	<u>18,259.00</u>
Net Ordinary Income	-5,443.00
Other Income/Expense	
Other Income	
Interest	30.00
Reserve fund	<u>3,864.00</u>
Total Other Income	<u>3,894.00</u>
Net Other Income	<u>3,894.00</u>
Net Income	<u><u>-1,549.00</u></u>

7:42 AM

01/29/12

Accrual Basis

**Heather Lake Homeowner Assoc.
Balance Sheet
As of December 31, 2011**

	Dec 31, 11
ASSETS	
Current Assets	
Checking/Savings	3,748.24
Huntington checking	1,000.44
Huntington Savings	7,551.86
Nationwide MM	1,813.69
Paypal	14,114.23
Total Checking/Savings	3,075.00
Accounts Receivable	3,075.00
Accounts Receivable	3,075.00
Total Accounts Receivable	980.00
Other Current Assets	980.00
Undeposited Funds	980.00
Total Other Current Assets	18,169.23
Total Current Assets	18,169.23
TOTAL ASSETS	
LIABILITIES & EQUITY	
Equity	
Opening Bal Equity	7,331.46
Unrestricted Net Assets	6,151.97
Net Income	4,685.80
Total Equity	18,169.23
TOTAL LIABILITIES & EQUITY	18,169.23

7:41 AM

01/29/12

Accrual Basis

**Heather Lake Homeowner Assoc.
Bank Account Registers
As of January 31, 2012**

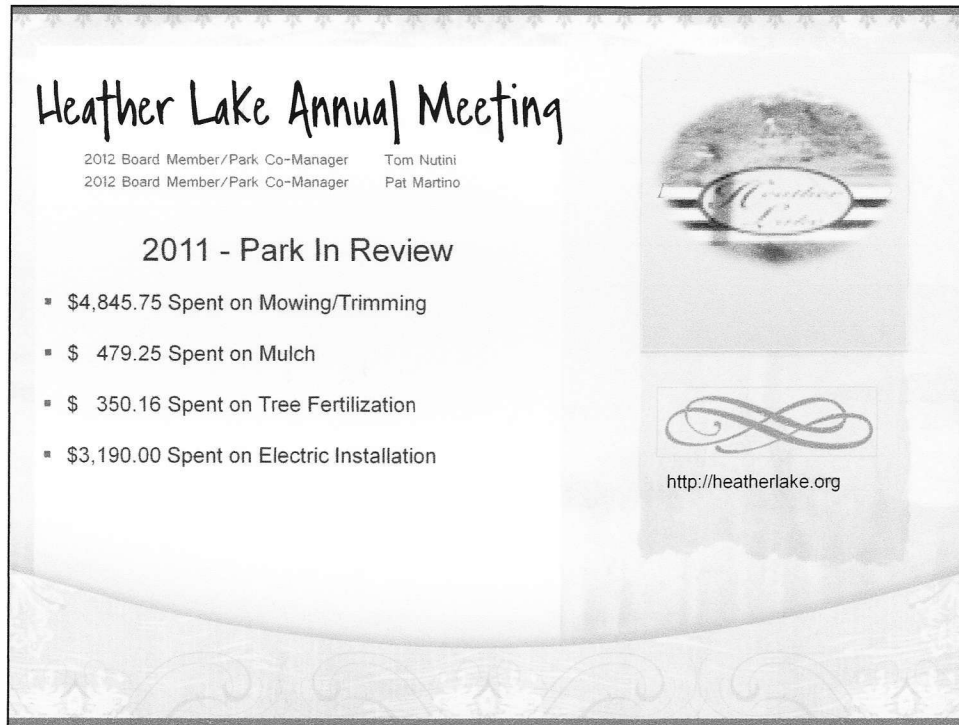
Type	Date	Num	Name	Memo	Amount	Balance
Huntington checking						
Check	1/3/2012	1213	Nationwide Insurance	Liability insurance	-500.00	3,748.24
Deposit	1/10/2012			Deposit	1,460.00	3,248.24
Check	1/25/2012	1214	TruGreen	Account #4665114300	-175.08	4,708.24
Deposit	1/28/2012			Deposit	725.00	4,533.16
Check	1/28/2012	1215	Brian S. Kuhn, Fairfield County Treasurer	Property taxes	-1,712.48	5,258.16
Total Huntington checking						
Huntington Savings						
Total Huntington Savings						
Nationwide MM						
Total Nationwide MM						
Paypal						
Deposit	1/9/2012			Thomas	116.22	1,813.69
Deposit	1/22/2012			Wilson	116.22	1,929.91
Check	1/24/2012	online	Neva Hornbeck	website hosting to Concentric	-119.40	2,046.13
Total Paypal						
					113.04	1,926.73
TOTAL					-89.52	14,024.71

Heather Lake Homeowners Association

2012 Park Budget

Description	Estimated Cost	Comments
Mowing and Trimming	\$6,000.00	Approximately 20 mowings / trimming twice per month
Pond Aeration System	\$4,500.00	2nd Phase of the project
Mulching	\$500.00	Mulching in May 2012
Tree Maintenance/Trimming	\$750.00	Tree removal / trimming
Asphalt Repairs	\$2,000.00	Several areas in need of repair
Weed Control	\$750.00	Broadleaf control in June 2012

\$14,500.00

A presentation slide for the Heather Lake Annual Meeting. The slide has a decorative border with a floral pattern at the top and bottom. The title "Heather Lake Annual Meeting" is written in a large, black, cursive font at the top left. Below the title, two lines of text list the 2012 Board Members: "2012 Board Member/Park Co-Manager Tom Nutini" and "2012 Board Member/Park Co-Manager Pat Martino". In the center, the text "2011 - Park In Review" is displayed. To the right of this text is a bulleted list of expenses. On the right side of the slide, there are two logos: the top one is a circular logo with a landscape scene and the text "Heather Lake" in a script font; the bottom one is a stylized infinity symbol logo. Below the infinity symbol logo is the website address "http://heatherlake.org".

Heather Lake Annual Meeting

2012 Board Member/Park Co-Manager Tom Nutini
2012 Board Member/Park Co-Manager Pat Martino

2011 - Park In Review

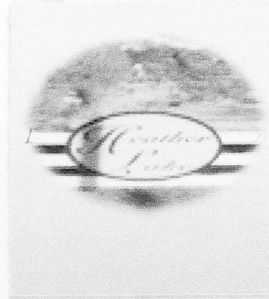
- \$4,845.75 Spent on Mowing/Trimming
- \$ 479.25 Spent on Mulch
- \$ 350.16 Spent on Tree Fertilization
- \$3,190.00 Spent on Electric Installation

<http://heatherlake.org>

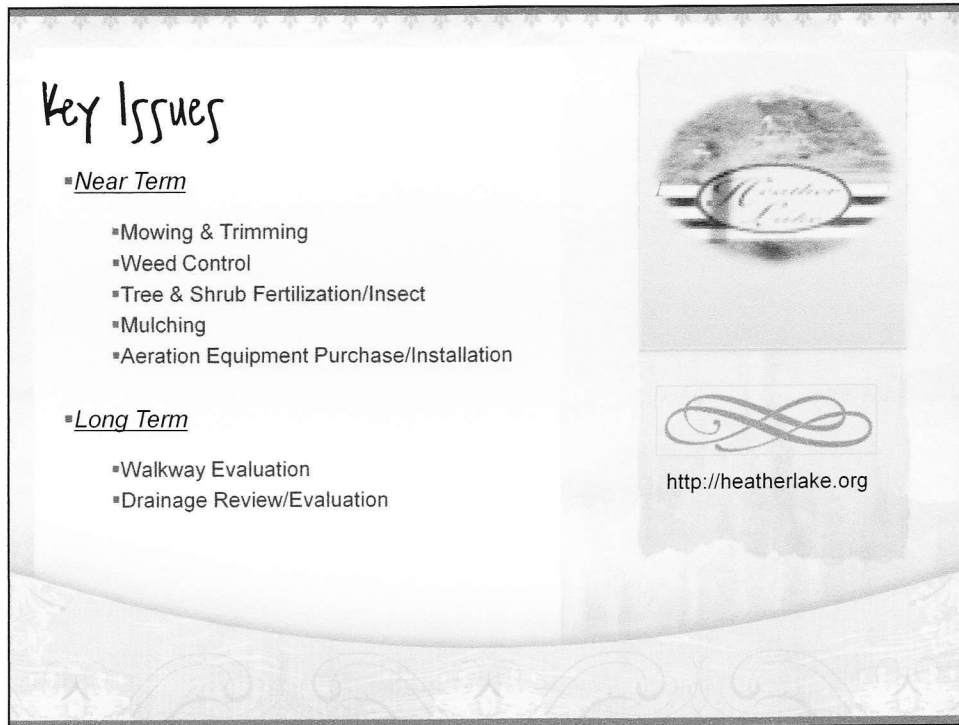
- The Park was Mowed 20 Times Last Year and Trimmed 8 Times
- Electric was Installed by Accurate Electric Company. The Project was Completed Late Summer
- Extensive Research on Various Aeration Systems was Conducted . The Board Selected Purchase of a Vertex 3 Plus System from Aqua Docs. They Will be Installing the System in April 2012.

2012 Goals and Objectives

- Continue Current Mowing and Trimming Schedule
- Replace Mulch Around Benches and Trees
- Maintain Weed Control Program
- Fertilize/Pesticide Trees/Shrubs
- Purchase/Install Aeration Equipment
- Evaluate Walkway and Design a Repair Plan
- Assess Drainage and Determine the Next Phase



<http://heatherlake.org>



NEAR TERM

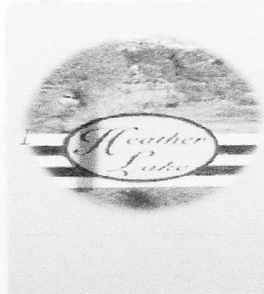
- Mowing & Trimming - Necessity
- Weed Control – Postponement Increases the Number of Mowings
- Tree & Shrub Fertilization/Insect - Promotes Healthier Plants. Postponement Increases Chance for Loss Resulting in Replacement Cost
- Mulching - Extends Tree Life, Eliminates Weed-Whip Damage, Improves Appearance
- Pond Aeration – Improves Overall Pond Health. Postponement Could Result in Fish Kills, Increased Vegetation

LONG TERM

- Walkway – Inspect Walkway, Determine Repairs for Current Damage and Consider Options for Long Term Maintenance
- Drainage – Review Park Elevations and Determine Next Phase and Funds Needed for Project

Financial Plan and Proposal

2012 Proposed Schedule	Budget
Mowing/Trimming	\$ 6,000
Mulch	\$ 500
Weed Control	\$ 750
Tree/Shrub Maintenance	\$ 750
Aeration	\$ 4,500
Walkway Repairs	\$ 2,000
TOTAL	\$14,500



<http://heatherlake.org>

QUESTIONS?

COMMENTS?



AQUA DOC

Lake & Pond Management and Supplies

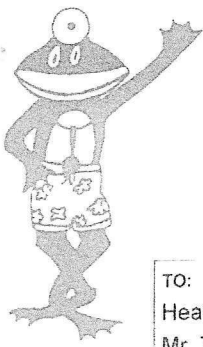
6475 Perimeter Dr., Suite 200

Dublin, Ohio 43016

www.aquadocinc.com

(614) 506-4166

1-800-689-5253



TO:
Heather Lake Neighborhood Assoc.
Mr. Tom Nutini
8595 Heather Lake Dr.
Canal Winchester, OH 43110

QUOTE NUMBER
QUOTE DATE 12/08/2011
TERMS 50% down
Bal completion
DATE REQUIRED ASAP

POND/LAKE LOCATION:

Same

PREPAID or COLLECT

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
	VERTEX HF AIR 3 PLUS AERATION SYSTEM		
1	3/4 HP DUAL PISTON COMPRESSORS (240 volt)	2,450.00	\$2,450.00
	MEDIUM ALUMINUM WEATHER PROOF CABINET		
4	STANDARD XL2 COACTIVE AIR STATION DIFFUSERS		
1	HIGH CAPACITY 290 CFM COOLING FAN		
1,000	HEAVYSET WEIGHTED TUBING	1.29	\$1,290.00
1	SEASONAL SAVINGS PROGRAM		(\$374.00)
1	ASSEMBLY & INSTALLATION (Does not include electrical & trenching)	495.00	\$495.00
		SUBTOTAL	\$3,861.00
		TAX	\$227.21
		FREIGHT	\$350.00
		TOTAL	\$4,438.21
DOWNPAYMENT REQUIRED WITH ORDER		DEPOSIT	\$2,219.10
BALANCE DUE ON DELIVERY		BALANCE	\$2,219.10

AQUA DOC is authorized to complete this contract as specified. Payment will be made as outlined above. Note: This quote may be withdrawn by AQUA DOC if not approved within 30 days. All materials remain the property of AQUA DOC until final payment is received. This contract does not include unforeseen difficulties and/or adverse weather conditions. All projects will be completed as rapidly as possible, however, should excessive moisture, high winds or any other unsuitable factor exist work will be halted until conditions improve.

NOTE: CANCELLATION OF THIS CONTRACT AFTER FOUNTAIN IS ORDERED WILL RESULT IN 20% RESTOCKING FEE AS WELL AS ANY CREW LABOR INVOLVED.

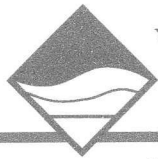
The above prices, specifications and conditions are satisfactory and are hereby accepted.

CUSTOMER

AQUA DOC

Chris Sullivan 12-8-11

AQUA DOC...Working full time on Lake Management...So you don't have to.



Vertex Water Features

Lake Aeration Systems & Floating Fountains

With
Vertex
MicronBubble™
Technology

B O T T O M A E R A T I O N



AIR3+ XL2™

The Vertex Air3 Plus XL2™ pond aerator is a super-efficient, affordable system designed to maximize aeration in 3-5 acre ponds with irregular shapes and depths. The Air3 Plus XL2™ has the same 3/4 hp (0.56 kW) Brookwood™ SafeStart™ compressor that our HighFlow™ systems use. It's housed in the same rustproof aluminum outdoor cabinet as our standard Air 3™ system, yet boasts a larger manifold with a fourth valve and CoActive AirStation™. The additional AirStation™ can be placed in cove areas, finger canals, behind shallow sandbars, or anywhere in the water body where the pond's shape or bottom contour will limit the oxygen flow from fewer diffusers. The Air3 Plus XL2™ utilizes Vertex's MicronBubble™ technology, allowing vital oxygen to be absorbed and poisonous gasses expelled.

Our systems have a full 2-year warranty plus a Limited Lifetime warranty against rust and corrosion on the cabinet, 5-year warranty on the AirStations™ and a 15-year warranty on BottomLine™ supply tubing.

FEATURES

AIRSTATIONXL2™

- ◆ Total pumping capacity of up to 14,300 GPM
- ◆ Eight 9" flexible membrane discs with MicronBubble™ technology
- ◆ Self-cleaning, low maintenance
- ◆ Two vacuum formed and sonic welded HDPE base units
- ◆ Lipped edge prevents sinking into soft bottom sediments
- ◆ 5-year "No Questions" warranty

BROOKWOOD™ COMPRESSOR

- ◆ 3/4 hp (0.56 kW)- low electrical costs
- ◆ Vertex SafeStart™ Technology
- ◆ 5.6 CFM, 25 Max PSI, 115v or 230v
- ◆ Highest flow rate of any compressor in its class
- ◆ Thermal overload protection
- ◆ 2-3 year extended duty cycle between scheduled maintenance
- ◆ Full 2-year Vertex warranty

QUIETAIR™ CABINET

- ◆ Class "A" GFCI protection on all 115V circuits
- ◆ Powder coated aluminum for a durable attractive finish
- ◆ High capacity 290 CFM fan
- ◆ Easy access design with barrel lock
- ◆ Easy plug-in connection to waterside electrical service
- ◆ Heavy duty, light weight mounting pad included
- ◆ Limited lifetime warranty against rust
- ◆ 5-year warranty

BOTTOMLINE™ TUBING

- ◆ Over-sized I.D. for high flow
- ◆ Self-weighted for easy installation
- ◆ Available in 100' and 500' increments
- ◆ 15-year Vertex warranty

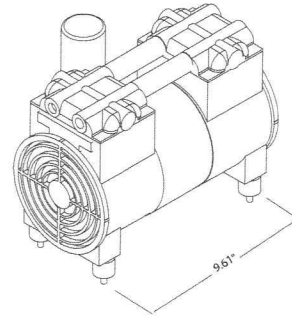
BENEFITS TO THE LAKE

- ◆ High pumping rate easily penetrates stratification layers
- ◆ Circulates entire water column
- ◆ Increases oxygen levels throughout water column
- ◆ Promotes beneficial bacteria growth
- ◆ Prevents low oxygen fish kills
- ◆ Reduces nutrient levels and associated algae growth
- ◆ Oxidizes/reduces bottom muck
- ◆ Expands oxygenated habitat for improved fisheries
- ◆ Reduces aquatic midge and mosquito insect hatches
- ◆ Eliminates foul odors from undesirable dissolved gases
- ◆ Safe entry – no electricity in the water
- ◆ Extremely energy efficient

SPECIFICATIONS: AIR3+ XL2™ LAKE AERATION SYSTEM

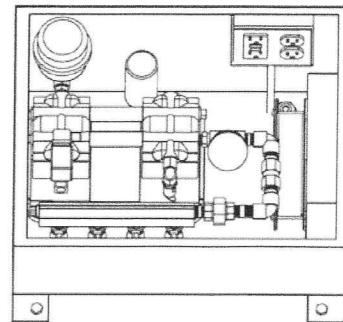
BROOKWOOD™ COMPRESSOR

3/4 hp (0.56 kW), 115v, Single Phase piston type compressor. Built for continuous 24/7 operation and equipped with Vertex SafeStart™ technology allowing auto restart under maximum rated pressure without motor damage. Super-duty Brookwood™ compressors incorporate upgraded rotors, stators, valve plates, bearings and capacitors and are thermally protected, oil-free, and require no lubrication; just periodic cleaning of included washable air filter. Extended duty cycle is approximately 2 to 3 years for compressor maintenance, about 2 to 3 times the duty cycle of ordinary piston and rotary vane compressors. All Brookwood™ SafeStart™ compressors carry a 2-year warranty.



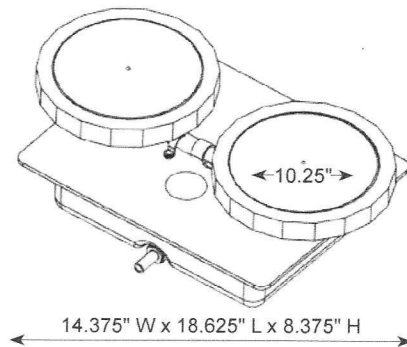
QUIETAIR™ CABINET

Enclosure comes equipped with barrel lock for security, fully gasketed and constructed of aluminum with gray electrostatically-bonded powder coating to provide Limited Lifetime warranty against cabinet rust and corrosion. Enclosure furnished with stamped ventilation grills to insure forced air circulation and an integral cooling fan with thermal protection, producing 290 CFM to guard against excessive compressor operating temperatures. Cabinet provided with HDPE mounting pad. Enclosure comes with class a GFCI protection on both the compressor and fan circuits.



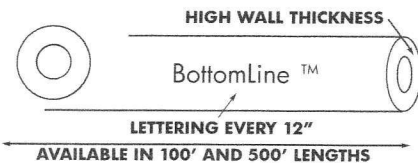
AIRSTATION XL2™ ASSEMBLY

Diffuser station consists of two self-cleaning, 9" diameter, flexible membrane diffusers of EPDM compound with 100% rebound memory, each producing millions of fine 500 to 3000 micron bubbles – the majority 500 to 1000 microns. Each diffuser station is equipped with vacuum-formed HDPE base, sonic spot-welded to provide unit integrity. Base unit is made of hollow chamber design for the addition of inert pea gravel ballast and has a lipped design to prevent settling into soft bottom sediments. AIRSTATION™ is designed with adjustable diffuser riser to accommodate any site requirements.



BOTTOMLINE™ SUPPLY TUBING

Self-weighted, direct burial submersible tubing for connection from compressor to diffuser stations. Tubing is flexible PVC composite construction for use with standard PVC solvent weld cement and insert fittings. Tubing has 0.58" I.D. and high wall thickness for long term durability and protection against punctures. Remains flexible in cold temperatures.



Vertex Water Features

Lake Aeration Systems & Floating Fountains

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Install all electrical equipment in accordance with Article 682 of the National Electrical Code and all local codes. Vertex Water Features reserves the right to improve and change our designs and/or specifications of our aerators without notice or obligation.
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