

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

FORM 10-QSB

MARK ONE

Quarterly Report Under Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Quarterly Period ended June 30, 2007; or

Transition Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the transition period from _____ to _____

COMMISSION FILE NUMBER: 0-23723

AMBIENT CORPORATION

(Exact name of small business issuer as specified in its charter)

Delaware

(State or other jurisdiction of incorporation
or organization)

98-0166007

(I.R.S. Employer Identification No.)

79 CHAPEL STREET, NEWTON, MASSACHUSETTS 02458

(Address of principal executive offices)

617-332-0004

(Issuer's telephone number, including area code)

Check whether the issuer (1) filed all reports required to be filed by Section 13 or 15(d) of the Exchange Act during the past 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by a check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No .

As of August 14, 2007, there were 253,295,702 shares of the issuer's common stock, par value \$0.001 per share, outstanding.

Transitional Small Business Disclosure Format (Check one) Yes No

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* The Balance Sheet at December 31, 2006 has been derived from audited financial statements at that date but does not include all of the information and footnotes required by generally accepted accounting principles for complete financial statements. All other financial statements are unaudited.

FORWARD LOOKING STATEMENTS

The following discussion and explanations should be read in conjunction with the financial statements and related notes contained elsewhere in this quarterly report on Form 10-QSB. We make forward-looking statements in this report, in other materials we file with the Securities and Exchange Commission (the “SEC”) or otherwise release to the public, and on our website. In addition, our senior management might make forward-looking statements orally to analysts, investors, the media, and others. Statements concerning our future operations, prospects, strategies, financial condition, future economic performance (including growth and earnings) and demand for our products and services, and other statements of our plans, beliefs, or expectations, including the statements contained in Item 2, “Management’s Discussion and Analysis or Plan of Operation,” regarding our future plans, strategies and expectations are forward-looking statements. In some cases these statements are identifiable through the use of words such as “anticipate,” “believe,” “estimate,” “predict,” “expect,” “intend,” “plan,” “project,” “target,” “continue,” “can,” “could,” “may,” “should,” “will,” “would,” and similar expressions. We intend such forward-looking statements to be covered by the safe harbor provisions contained in Section 27A of the Securities Act of 1933, as amended, and in Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”). You are cautioned not to place undue reliance on these forward-looking statements because these forward-looking statements we make are not guarantees of future performance and are subject to various assumptions, risks, and other factors that could cause actual results to differ materially from those suggested by these forward-looking statements. Thus, our ability to predict results or the actual effect of our future plans or strategies is inherently uncertain. Factors which could have a material adverse effect on our operations and future prospects include, but are not limited to, the company’s inability to continue operations; the Company’s inability to obtain necessary financing; the effect of a going concern statement by the company’s auditors; changes in: economic conditions generally and the broadband over power lines (“BPL”) market specifically, changes in technology, legislative or regulatory changes that affect us, the availability of working capital, changes in costs and the availability of goods and services, the introduction of competing products, changes in our operating strategy or development plans, our ability to attract and retain qualified personnel, and changes in our acquisition and capital expenditure plans. These risks and uncertainties, together with the other risks described from time to time in reports and documents that we file with the SEC, should be considered in evaluating forward-looking statements and undue reliance should not be placed on such statements. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, performance or achievements. Indeed, it is likely that some of our assumptions will prove to be incorrect. Our actual results and financial position will vary from those projected or implied in the forward-looking statements and the variances may be material. Moreover, we do not assume the responsibility for the accuracy and completeness of these forward-looking statements. We expressly disclaim any obligation to update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise, except as required by law.

AMBIENT CORPORATION
(A Development Stage Company)
CONSOLIDATED BALANCE SHEETS

	June 30, 2007	December 31, 2006
ASSETS	(Unaudited)	
CURRENT ASSETS		
Cash and cash equivalents	\$ 4,003,749	\$ 2,385,668
Accounts receivable	96,184	912,329
Inventory	470,058	229,718
Prepaid expenses and other current assets	183,895	139,933
Total current assets	4,753,886	3,667,648
Property and equipment, net	641,624	712,349
Deferred financing costs, net	742,598	891,004
Prepaid licensing fees	39,604	158,402
Total assets	\$ 6,177,712	\$ 5,429,403
LIABILITIES AND STOCKHOLDERS' EQUITY		
CURRENT LIABILITIES		
Short term loan	\$ 4,000,000	\$ -
Accounts payable	871,389	1,102,346
Accrued expenses and other current liabilities	778,875	368,599
Convertible debentures, current portion (net of discount of \$4,177,985 and \$4,670,399)	813,865	898,351
Advance from stockholder	-	-
Total current liabilities	6,464,129	2,369,296
NON-CURRENT LIABILITIES		
Convertible debentures, less current portion (net of discount of \$0- and \$1,790,892)	-	265,308
Total liabilities	6,464,129	2,634,604
STOCKHOLDERS' EQUITY		
Common stock, \$.001 par value; 750,000,000 shares authorized; 254,295,704 and 199,809,244 issued; 253,295,704 and 198,809,244 outstanding, respectively	254,296	199,809
Additional paid-in capital	104,702,497	101,740,382
Deficit accumulated during the development stage	(105,043,210)	(98,945,392)
Less: deferred compensation	-	-
Less: treasury stock; 1,000,000 shares at cost	(200,000)	(200,000)
Total stockholders' equity	(260,116)	2,794,799
Total liabilities and stockholders' equity	\$ 6,177,712	\$ 5,429,403

See Notes to Consolidated Financial Statements.

AMBIENT CORPORATION
(A Development Stage Company)
CONSOLIDATED STATEMENTS OF OPERATIONS
(Unaudited)

	Six Months Ended June 30,		Cumulative From Inception To June 30,		Three Months Ended June 30,	
	<u>2007</u>	<u>2006</u>	<u>2007</u>	<u>2007</u>		
Cost of goods sold	\$ 1,936,184	\$ 737,200	\$ 4,633,223	\$ 167,984	\$	
Gross margin	1,412,229	430,708	3,664,824	140,790		
Research and Development (1)	523,955	306,492	968,399	27,194		
Participation by the Office of the Chief Scientist of the State of Israel	1,777,604	1,515,311	17,424,969	822,698		
Depreciation, general and administrative expenses (1)	-	-	558,195	-		
Deferred compensation – net	1,777,604	1,515,311	16,866,774	822,698		
Amortization of intangible assets	1,994,200	1,586,932	25,720,189	1,087,260		
Gain on sale of fixed assets – related party	136,330	25,776	17,841,610	68,165		
Loss on sale of fixed assets	3,908,134	3,128,019	60,428,573	1,978,123	1	
Gain on sale of fixed assets – related party	179,755	-	179,755	-		
Loss on sale of fixed assets	(3,204,424)	(2,821,527)	(59,280,419)	(1,950,744)	(1	
Interest expense	(265,203)	(233,604)	(1,700,875)	(133,317)		
Amortization of beneficial conversion feature of convertible debt	(1,158,282)	(543,428)	(9,785,647)	(575,617)		
Amortization of deferred financing costs	(1,513,370)	(1,554,826)	(18,376,816)	(802,739)	(1	
Net income	49,060	20,690	645,572	22,636		
Gain on sale of fixed assets	(5,599)	-	(5,599)	-		
Amortization of intangible asset	-	-	(1,512,500)	-		
Interest financing expense	-	-	(1,600,000)	-		
Amortization of convertible note receivable	-	-	(490,000)	-		
Shareholder's share in net losses of affiliate	-	-	(1,352,207)	-		
Share in minority interest and extraordinary item	(6,097,818)	(5,132,695)	(93,458,491)	(3,439,781)	(3	
Share in interest in subsidiary loss	-	-	25,000	-		
Share in extraordinary item	(6,097,818)	(5,132,695)	(93,433,491)	(3,439,781)	(3	
Share in extraordinary item – loss on extinguishment of debt	-	-	(9,778,167)	-		
Net income attributable to common stockholders	(6,097,818)	(5,132,695)	(103,211,658)	(3,439,781)	(3	
Dividends on convertible preferred stock	-	-	(1,820,859)	-		
Net income attributable to common stockholders	\$ (6,097,818)	\$ (5,132,695)	\$ (105,032,517)	\$ (3,439,781)	\$	(3

AMBIENT CORPORATION
(A Development Stage Company)
CONSOLIDATED STATEMENTS OF OPERATIONS
(Continued)

Weighted average diluted loss per share:

Loss before extraordinary item	\$ (0.03)	\$ (0.03)	\$ (0.01)	\$
Extraordinary loss from extinguishment of debt	-	-	-	
Loss	<u>\$ (0.03)</u>	<u>\$ (0.03)</u>	<u>\$ (0.01)</u>	<u>\$</u>
Weighted average number of shares outstanding	<u>227,373,482</u>	<u>167,351,137</u>	<u>241,383,341</u>	<u>167,351,137</u>
Includes non-cash, stock based compensation expense as				
Research and development, net	\$ -	\$ -	\$ 1,454,192	\$ -
Selling, general and administrative, net	<u>136,330</u>	<u>25,776</u>	<u>16,387,418</u>	<u>68,165</u>
	<u>\$ 136,330</u>	<u>\$ 25,776</u>	<u>\$ 17,841,610</u>	<u>\$ 68,165</u>

See Notes to Consolidated Financial Statements.

AMBIENT CORPORATION
(A Development Stage Company)
CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited)

	Six Months Ended June 30,		Cumulative From Inception to June 30,
	<u>2007</u>	<u>2006</u>	<u>2007</u>
INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS			
CASH FLOWS FROM OPERATING ACTIVITIES			
Net loss	\$ (6,097,818)	\$ (5,132,695)	\$ (103,185,357)
Adjustments to reconcile net loss to net cash used in operating activities:			
Depreciation and amortization	189,862	161,439	1,336,751
Amortization of note discount	1,513,370	1,554,826	17,731,945
Amortization of beneficial conversion feature of convertible debt	1,158,282	543,428	9,785,647
Accretion of interest on notes payable	-	144,333	144,333
Write-off of stockholder advance to revenue	-		(325,000)
Financing, consulting and other expenses paid via the issuance of common stock and warrants	383,562	25,776	31,935,041
Cancellation of officer loans in settlement of employment contract	-	-	724,447
Gain on sale of fixed assets	(174,156)	-	(154,021)
Increase in net liability for severance pay	-	-	15,141
Accrued interest on loans and notes payable	-	-	210,016
Company's share in net losses of affiliates	-	-	1,352,207
Minority interest in subsidiary loss	-	-	(25,000)
Write-off of convertible note receivable	-	-	400,000
Write-down of long term investment	-	-	835,000
Write-off of fixed assets	-	-	136,066
Increase (decrease) in cash attributable to changes in assets and liabilities			
Accounts receivables	816,145	3,494	(75,659)
Inventory	(240,340)	279,720	(470,058)
Prepaid expenses and other current assets	(43,962)	27,211	(115,190)
Prepaid licensing fees	118,798	19,800	95,396
Accounts payable	(230,957)	(261,908)	1,147,684
Accrued expenses and other current liabilities	410,276	(327,105)	903,230
Net cash used in operating activities	<u>(2,196,938)</u>	<u>(2,961,681)</u>	<u>(37,597,381)</u>
CASH FLOWS FROM INVESTING ACTIVITIES			
Loan provided to another company	-	-	(835,000)
Purchase of convertible promissory note	-	-	(400,000)
Investment in affiliated company	-	-	(375,000)
Additions to property and equipment	(139,978)	(110,329)	(2,196,651)
Proceeds from sale of fixed assets	194,997	-	237,097
Loans to Officers	-	-	(2,137,677)
Repayment of loans to Officer	-	-	1,431,226
Net cash provided by (used in) investing activities	<u>55,019</u>	<u>(110,329)</u>	<u>(4,276,005)</u>

AMBIENT CORPORATION
(A Development Stage Company)
CONSOLIDATED STATEMENTS OF CASH FLOWS
(Continued)

CASH FLOWS FROM FINANCING ACTIVITIES			
Proceeds from issuance of share capital	-	84,680	11,375,808
Proceeds from loans and advances	-	-	690,000
Proceeds from issuance of notes payable	4,000,000	1,787,500	7,360,000
Finance costs relating to issuance of notes payable	-	-	(1,014,400)
Proceeds from issuance of convertible debentures	-	8,985,600	28,455,133
Finance costs relating to issuance of debt	(240,000)	-	(452,500)
Repayment of notes payable	-	(2,144,333)	(2,944,333)
Proceeds of loans from shareholders, net	-	-	919,600
Repayment of loans from shareholders	-	-	(968,000)
Proceeds from long-term bank credit	-	-	95,969
Repayment of long-term bank credit	-	-	(87,996)
Increase (decrease) in short term bank credit	-	-	(32,004)
Public offering of common stock	-	-	3,433,027
Repayment of short-term debt	-	-	(250,000)
Proceeds from short-term debt	-	-	274,038
Loans to affiliate	-	-	(977,207)
Net cash provided by financing activities	<u>3,760,000</u>	<u>8,713,447</u>	<u>45,877,135</u>
DECREASE IN CASH AND CASH EQUIVALENTS	1,618,081	5,641,437	4,003,749
CASH AND CASH EQUIVALENTS - BEGINNING OF YEAR	2,385,668	393,513	-
CASH AND CASH EQUIVALENTS - END OF PERIOD	<u>\$ 4,003,749</u>	<u>\$ 6,034,950</u>	<u>\$ 4,003,749</u>
Noncash financing and investing activities:			
Issuance of common stock upon conversion of debentures	\$ <u>2,633,040</u>	\$ <u>859,250</u>	
Issuance of common stock in lieu of interest	\$ <u>247,232</u>	\$ <u>-</u>	
Issuance of warrants in connection with issuance of notes payable	\$ <u>-</u>	\$ <u>5,983,927</u>	
Deemed dividends on convertible preferred stock	\$ <u>-</u>	\$ <u>-</u>	\$ <u>1,820,859</u>
Supplemental disclosures of cash flow information:			
Cash paid during the year for:			
Interest	\$ <u>817</u>	\$ <u>12,859</u>	

See Notes to Consolidated Financial Statements.

AMBIENT CORPORATION
(A Development Stage Company)

NOTES TO THE UNAUDITED CONSOLIDATED FINANCIAL STATEMENTS

NOTE 1 - BASIS OF PRESENTATION

The accompanying unaudited consolidated financial statements of Ambient Corporation and its subsidiary (collectively the "Company") have been prepared in accordance with generally accepted accounting principles accepted in the United States of America ("GAAP") for interim financial information and with Item 310(b) of Regulation S-B. Accordingly, they do not include all of the information and notes required by GAAP for complete financial statements. In the opinion of management, all adjustments (consisting of normal recurring accruals) considered necessary for a fair presentation have been included. Operating results for the six months ended June 30, 2007, are not necessarily indicative of the results that may be expected for the year ending December 31, 2007. These unaudited consolidated financial statements should be read in conjunction with the audited consolidated financial statements and notes thereto included in the Company's Form 10-KSB for the year ended December 31, 2006, as filed with the Securities and Exchange Commission.

The accompanying financial statements have been prepared assuming that the Company will continue as a going concern. The Company has sustained losses since its inception. These losses have produced operating cash flow deficiencies, and negative working capital. The Company expects to incur additional losses for the foreseeable future and will need to raise additional funds in order to realize its business plan. These conditions raise substantial doubt about the Company's ability to continue as a going concern. The financial statements do not include any adjustments that might result from the outcome of this uncertainty.

The Company's future operations are dependent upon the generation of additional revenues and management's ability to find sources of additional funding. The Company needs to raise additional funds to continue to meet its liquidity needs and realize its business plan and maintain operations. Management of the Company is continuing its efforts to secure funds through equity and/or debt instruments for its operations. Presently, the Company does not have any funding commitments from any persons, and there can be no assurance that additional capital will be available to the Company on commercially acceptable terms or at all. Additional investments will require an increase in the Company's authorized common stock; to that end, the Company has filed its preliminary proxy statement in connection with a special meeting of the stockholders, currently scheduled for September 21, 2007, to increase the authorized common stock.

The Company funded its operating cash flow deficit during fiscal year 2006 from the proceeds of its private placement of convertible debentures that were placed in May 2006. Such net proceeds totaled \$8.986 million. On June 1, 2007, the Company borrowed \$4 million from an institutional investor as more fully described in Note 6 (Short Term Loan). The Company also generated revenues of approximately \$1.94 million during the six months ended June 30, 2007.

As more fully described in Note 10 (Subsequent Event), the Company raised net proceeds of approximately \$2.83 million from the proceeds of the private placement in July 2007.

NOTE 2 - RECENTLY ISSUED ACCOUNTING PRONOUNCEMENTS

In February 2007, the Financial Accounting Standards Board ("FASB") issued Statement of Financial Accounting Standard ("SFAS") No. 159, "The Fair Value Option for Financial Assets and Financial Liabilities, including an amendment of FASB Statement No. 115." SFAS 159 permits entities to choose to measure many financial instruments and certain other items at fair value at specified election dates. SFAS 159 applies to all entities, including not-for-profit organizations. SFAS 159 is effective as of the beginning of an entity's first fiscal year that begins after November 15, 2007. The Company is currently evaluating the impact of SFAS 159 on its consolidated financial statements.

In September 2006, the FASB issued SFAS No. 157, "Fair Value Measurements." This Statement defines fair value, establishes a framework for measuring fair value in generally accepted accounting principles and expands disclosure about fair value measurement. The implementation of this guidance is not expected to have any material impact on the Company's consolidated financial statements.

Management does not believe that any recent issued, but not yet effective, accounting standards if currently adopted, would have a material effect on the accompanying financial statements.

NOTE 3 - NET LOSS PER SHARE

Basic earnings (loss) per share (EPS) is computed by dividing net income (loss) applicable to common shares by the weighted-average of shares of common stock, par value \$0.001 per share (the "Common Stock"), outstanding during the period. Diluted earnings (loss) per share adjusts basic earnings (loss) per share for the effects of convertible securities, stock options and other potentially dilutive instruments, only in the periods in which such effect is dilutive. The following securities have been excluded from the calculation of net loss per share, as their effect would be antidilutive.

	Shares of Common Stock Issuable upon Conversion/Exercise of as June 30,	
	2007	2006
Stock options	22,964,500	18,678,250
Warrants	110,814,999	120,672,504
Convertible debentures	32,399,060	67,725,000

NOTE 4 - SALES AND MAJOR CUSTOMERS - UPDATE 2007

Revenues for the six months ended June 30, 2007 and 2006 were as follows:

	June 30, 2007	June 30, 2006
	(Unaudited)	(Unaudited)
Hardware	\$ 1,851,482	\$ 399,998
Software and services	84,702	337,202
	<u>\$ 1,936,184</u>	<u>\$ 737,200</u>

One customer accounted for 98% and 100% of the hardware revenue for the 2007 and 2006 period. Software and service revenues in 2006 include \$325,000 from Consolidated Edison Company of New York, Inc. ("Con Edison"), an affiliate of Consolidated Edison, Inc., a principal stockholder of the Company (see Note 8).

Revenues for the three months ended June 30, 2007 and 2006 were as follows:

	June 30, 2007	June 30, 2006
	(Unaudited)	(Unaudited)
Hardware	\$ 109,682	\$ --
Software and services	58,302	2,503
	<u>\$ 167,984</u>	<u>\$ 2,503</u>

One customer accounted for 98% of the hardware revenue for the 2007. One customer accounted for 100% of the software and services revenue for the 2007 period.

NOTE 5 - INVENTORY

Inventory is valued at the lower of cost or market and is determined on first-in-first-out method. Inventory consists of the following:

	<u>June 30, 2007</u>	<u>December 31, 2006</u>
	(Unaudited)	
Raw materials	\$ 236,800	\$ 206,791
Finished goods	233,258	22,927
	<u>\$ 470,058</u>	<u>\$ 229,718</u>

NOTE 6 - SHORT TERM LOAN

On June 1, 2007, the Company borrowed \$4 million from an institutional investor pursuant to a loan agreement. The loan was evidenced by an unsecured promissory note which accrued interest at the rate of 8% per annum. Interest was paid in cash and the outstanding principal on the note was satisfied by the 2007 Private Placement referred to in Note 10 (Subsequent Event).

NOTE 7 - CONVERTIBLE DEBENTURES

(i) In December 2004, the Company raised net proceeds of \$4.9 million in a private placement of \$5,500,000 principal amount of its three-year 6% Convertible Debentures (the "2004 Debentures"). The 2004 Debentures are convertible into shares of Common Stock at a conversion rate equal to \$0.25 per share (subject to adjustment if there are certain capital adjustments or similar transactions, such as a stock split or merger). As of June 30, 2007 and December 31, 2006, principal of \$330,000 of the 2004 Debentures remained outstanding.

For the six months ended June 30, 2007 and 2006, interest expense on the 2004 Debentures amounted to \$9,764 and \$11,975, respectively.

For financial reporting purposes, the Company recorded a discount of \$2,193,411 to reflect the value of the warrants issued in connection with the 2004 Debentures and in accordance with EITF No. 00-27, an additional discount on the 2004 Debentures of \$2,711,554 to reflect the beneficial conversion feature of the debentures. The discounts are being amortized to the date of maturity unless converted earlier. Amortization totaled \$54,546 and \$567,799 for the six months ended June 30, 2007 and 2006, respectively.

(ii) In May 2006, the Company raised net proceeds of \$8.986 million in a private placement of \$10,000,000 in principal amount of its two-year 8% Senior Secured Convertible Debentures (the "2006 Debentures"). Investors in the private placement also received Class A warrants, exercisable through June 30, 2009, to purchase up to 33,333,333 shares of the Company's Common Stock at a per share exercise price of \$0.20 and Class B warrants, exercisable through June 30, 2011, to purchase up to 33,333,333 shares of the Company's Common Stock at a per share exercise price of \$0.25.

At the option of the holder, the 2006 Debentures are convertible into shares of Common Stock at a conversion rate of \$0.15 per share (subject to adjustment if there are certain capital adjustments or similar transactions, such as a stock split or merger). Commencing on the first business day in September 2006 and on the first business day of each month thereafter, the Company is required to repay 4.77% of the aggregate principal amount of the Convertible Debentures that was originally issued together with all accrued interest due and payable up to such repayment date. At the option of the Company, the amount may be paid either in (i) shares of Common Stock at a rate equal to 75% of the value weighted average price (VWAP) of the Common Stock for the ten trading days ending on the trading day immediately preceding the Scheduled Payment Date, provided that at the time of payment there is then an effective registration statement covering the resale of the Common Stock underlying the 2006 Debentures and the accompanying warrants (the "Registration Statement") or (ii) cash, at 110% of the principal amount due and 100% of all other amounts due. The Registration Statement is currently effective. It will be assumed that the Company is electing to make such payment in shares unless the Company gives written notice of its intention to make payment

in cash. If the closing sale price of the Company's Common Stock as quoted on the Over-The-Counter Bulletin Board is more than \$0.60 (which amount may be adjusted for certain capital events, such as stock split or merger) on each of fifteen consecutive trading days, then, under certain conditions, the Company is entitled to require the holders of the 2006 Debentures to convert all or a part of the outstanding principal amount of the 2006 Debentures.

To secure the Company's obligations under the 2006 Debentures, the Company originally granted to the holders of the 2006 Debentures a security interest in substantially all of its intellectual property. Under the agreements with the investors, the security interest terminates upon the earlier of (i) the date on which the aggregate principal amount of all outstanding debentures is \$2,500,000 or less, or (ii) the payment and performance of all of the Company's obligations under the 2006 Debenture transaction documents. The Company used a portion of the proceeds of the short-term loan referred to in Note 6 above (Short Term Loan) to pay down the principal amount to \$2,270,310 as of July 2, 2007 and, accordingly, the security interest in favor of these investors was terminated. As of August 14, 2007, the aggregate outstanding principal amount of the 2006 Debentures was \$1,831,470.

In connection with the placement of the Debentures, the Company paid to a registered broker dealer that acted as placement agent a cash fee of \$935,000, agreed to pay 10% of the proceeds realized in the future from exercise of warrants issued to the 2006 Debentures investors, and issued warrants consisting of (x) warrants to purchase an aggregate of 6,666,667 shares of Common Stock having an initial exercise price equal to \$0.15, (y) warrants to purchase an aggregate of 3,333,333 shares of Common Stock having an initial exercise price equal to \$0.20, and (z) warrants to purchase an aggregate of 3,333,333 shares of Common Stock having an initial exercise price equal to \$0.25. Except as specifically noted, these warrants otherwise are on substantially the same terms and conditions as the investor warrants.

For financial reporting purposes, the Company recorded a discount of \$4,862,878 to reflect the value of the warrants and in accordance with EITF No. 00-27, and an additional discount on the 2006 Debentures of \$5,137,122 to reflect the beneficial conversion feature of the 2006 Debentures.

The discounts are being amortized to the date of maturity unless converted earlier. Amortization totaled \$2,228,700 and \$584,858 for the six months ended June 30, 2007 and 2006.

NOTE 8 – STOCKHOLDERS' EQUITY

Increase in Authorized Common Stock

On May 24, 2007, the Company's stockholders approved an increase in the authorized shares of Common Stock that the Company is authorized to issue up to 750,000,000 shares. Such amount has been reflected in the accompanying condensed consolidated balance sheet at June 30, 2007.

Debenture Conversions

In January through June 2007, principal in the amount of \$2,633,040 of the 2006 Debentures was converted into approximately 49.9 million shares of Common Stock. In January through June 2007, interest on the 2006 Debentures of \$247,233 was converted into approximately 4.5 million shares of Common Stock.

On January 22, 2007, the Company issued options to various employees from the Company's 2000 Equity Incentive Plan to purchase up to 650,000 shares of the Company's Common Stock, of which options for 525,000 shares were at a per share exercise price of \$0.15 and options for 125,000 shares were at a per exercise price of \$0.20.

NOTE 9 – RESEARCH AND DEVELOPMENT AGREEMENT

Effective February 7, 2002, the Company and Con Edison entered into a Research and Development Agreement (the "Research and Development Agreement") to further develop and test the Company's PLC technology on Con Edison's grid system. Pursuant to the Research and Development Agreement the Company will have sole rights to any jointly developed intellectual property. Con Edison is entitled to a 2.5% royalty, based on the Company's total

net revenues for a ninety-nine year period. Royalty payments are only due if the Company has positive cash flow and will be payable quarterly, in arrears, and does not accrue from one quarter to another during periods of negative cash flow.

On January 27, 2006, Con Edison and Ambient entered into an agreement with NYSERDA (the New York State Energy Research and Development Authority) (the "NYSERDA Agreement") pursuant to which they undertook to conduct medium and low voltage electric systems monitoring activities to detect incipient or impending failures and related activities, for which Con Edison was awarded a \$200,000 grant from NYSERDA. The NYSERDA Agreement necessitated an amendment to the Research and Development Agreement to modify the implementation plan contained therein to encompass the objectives of the NYSERDA Agreement. In the amendment, Con Edison and Ambient certified the completion of the Small Field Trial Phase, agreed that the \$325,000 advance, recorded in 2006, owing from Ambient to Con Edison was subsumed into the revenue royalty granted to Con Edison in the Research and Development Agreement, and agreed to move forward to an Advanced Grid Management Pilot Phase that encompassed the statement of work contained in the NYSERDA Agreement. Additionally, in the amendment, Con Edison committed to remit to the Company not less than \$180,000 of the grant monies received from NYSERDA to compensate Ambient for its equipment and other costs to be incurred in performing the Advanced Grid Management Pilot Phase. NYSERDA is a public benefit corporation created by the New York State Legislature to administer the State's energy program.

Con Edison advanced \$325,000 to the Company, which will only be repayable if the Small Field Trial Phase, as defined therein, is deemed unsuccessful; the \$325,000 advance was recorded as revenue by Ambient during the first quarter 2006.

In March 2007, the Company sold equipment for a gain of \$179,755. The gain resulted from grant monies received from Con Edison in order to compensate the Company for its equipment costs that were incurred in performing the Advanced Grid Management Pilot Phase with NYSERDA.

NOTE 10 - SUBSEQUENT EVENT

On July 31, 2007, the Company entered into the Securities Purchase Agreement (the "Purchase Agreement") with an institutional investor (the "Investor") pursuant to which the Investor purchased the Company's Senior Secured Convertible Promissory Note in aggregate principal amount of \$7,500,000. The Company received net proceeds of \$2.83 million after repayment of the loan referred to above and certain closing related expenses.

The Note has a term of three years and comes fully due on July 31, 2010. Interest on the outstanding principal amount of the Note begins to accrue on the first year anniversary of issuance at a per annum rate of 8%, payable quarterly beginning September 30, 2008. At the option of the Company, interest payments on the Note are payable either in cash or in registered shares of Common Stock, subject to certain conditions as specified in the Note. In the event that interest is paid in Common Stock, the shares of Common Stock will be valued at 90% of the volume weighted average price for the 10 trading days preceding the date of payment. The outstanding principal amount of the Note is convertible at the option of the holder at any time and from time to time into shares of Common Stock at a conversion price of \$0.075 per share of common stock, or initially 100,000,000 shares of Common Stock, subject to certain adjustments. In the event that the Company issues Common Stock in an equity financing at a price less than the then conversion price, the conversion price shall be immediately adjusted to the price at which such Common Stock was issued, subject to certain exempt issuances. Amounts payable under the Note are secured by the assets of the Company.

Under certain conditions, the Company is entitled to require the Note holder to convert all or a part of the outstanding principal amount of the Notes. If the closing sale price of the Company's Common Stock as quoted on the OTC Bulletin Board is more than \$0.375 (which amount may be adjusted for certain capital events, such as stock splits) on each of fifteen consecutive trading days, then, subject to the conditions specified below, within five trading days after the last day in such period, the Company may, at its option (exercised by written notice to the holders of the Notes), require investors to convert all or any part of their Notes on or before a specified date. Conversion on the date specified shall be at the conversion price then in effect. The Note holder may continue to

convert its note after the Company gives such notice. This right is available only if, on the date the Company gives notice of mandatory conversion and on each trading day thereafter through and including the date of mandatory conversion specified in the original notice from the Company, the Registration Statement (as defined below) is effective.

The Note is redeemable at 110% of the principal and accrued interest in the event of certain change of control transactions, and is redeemable at 120% of the principal and accrued interest in the event of certain other triggering events, including (without limitation) events of default and certain other events that would impact the Holder's ability to publicly re-sell the Common Stock issuable upon conversion of the Notes.

Pursuant to the Securities Purchase Agreement, the Company issued Common Stock Purchase Warrants (the "Warrants") to the Investor, exercisable from the earlier of the (i) first anniversary of issuance and (ii) the effectiveness of the Registration statement through July 31, 2012, to purchase initially up to 150,000,000 shares of Common Stock (the "Share Amount"), of which warrants for 50,000,000 shares are at an exercise price of \$0.06 per share and warrants for 100,000,000 shares are at an exercise price of \$0.075 (in each case the "Exercise Price"). The Warrants contain provisions to adjust the Exercise Price and the Share Amount in the event that the Company issues Common Stock in an equity financing at a price less than the then applicable Exercise Price, in which case (i) the Exercise Price shall be reduced to the price at which such Common Stock was issued and (ii) the Share Amount shall be increased such that the aggregate Exercise Price payable, after taking into account the decrease in the Exercise Price, shall be equal to the aggregate Exercise Price prior to such adjustment. The Warrants also may be exercised on a cashless basis on or after the first anniversary of their issuance if at the time of exercise there is no effective registration statement covering the shares issuable upon exercise of the Warrants.

In connection with the financing the Company paid fees to a placement agent of \$570,000 and issued warrants to purchase up to 15,000,000 shares of the Company's Common Stock at a per share exercise price of \$0.075.

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OR PLAN OF OPERATION

THE FOLLOWING DISCUSSION SHOULD BE READ IN CONJUNCTION WITH OUR FINANCIAL STATEMENTS AND THE NOTES THERETO. SOME OF OUR DISCUSSION IS FORWARD-LOOKING AND INVOLVES RISKS AND UNCERTAINTIES. FOR INFORMATION REGARDING RISK FACTORS THAT COULD HAVE A MATERIAL ADVERSE EFFECT ON OUR BUSINESS, REFER TO THE RISK FACTORS CONTAINED HEREIN AND THE RISK FACTORS SECTION OF OUR ANNUAL REPORT FOR THE YEAR ENDED DECEMBER 31, 2006 ON FORM 10-KSB.

OVERVIEW

Ambient Corporation ("Ambient", the "Company" "we" or "us") is engaged in the design, development, commercialization, and marketing of Broadband over Power Lines (BPL) equipment, technologies, and services. BPL technology enables power line infrastructure landlords (electric utilities and property owners) to use their existing medium and low voltage distribution lines for the delivery of high-speed Internet Protocol (IP) based services.

For several decades utilities have used their distribution networks to carry low-speed data for some monitoring and control functions. The development of effective coupling technologies and the resolution of major regulatory obstacles has enabled the deployment of cost effective high-speed BPL networks that enhance these existing applications and make practical a host of new ones. The combination of an IP based connection at any point on the distribution network, coupled with a variety of sensing and control devices, has come to be known as the "Smart Grid." BPL enabled Smart Grid applications such as Advanced Metering, Real Time Pricing, Demand Side Management and Direct Load Control will enable economic and operational benefits for utilities. The ubiquity of the power distribution grid allows BPL networks to be deployed worldwide, and they could provide broadband access to consumers that do not have access to cable or DSL. The physical medium of the network provides a direct connection to each end user with limited or no additional wiring required, thereby solving the problem often referred to as the "last mile" and the "last 100 yards." High-speed BPL would not require additional wiring within the user's premises but only the use of a modem or premise unit, making BPL networks well suited to home networking or multi-dwelling unit (MDU) broadband access applications.

We have developed and patented BPL technology devices, and as of August 2007, we hold 16 patents in key BPL technologies with several other patent applications allowed, pending, or under review. Our products incorporate state of the art BPL chipset technology and consumer modems. Ambient has designed our equipment for cost effective volume manufacturing, and we have secured reliable, scalable production sources. Ambient's next generation X² BPL Access Node has been certified fully compliant with current FCC rules and requirements for Access BPL equipment. Ambient participates in key BPL industry associations, and Ambient technical personnel currently chair key IEEE BPL safety and standardization committees.

We are currently conducting several field trials, pilot demonstrations, and commercial pilots with major electric utilities that serve, in aggregate, over 15 million electric customers. These projects have a variety of goals, including developing and demonstrating Smart Grid utility applications, residential and multi-dwelling unit consumer broadband Internet access, and the successful commercial operation of Ambient's next generation hardware products and network management software.

Critical to the commercialization of our BPL technology, in September 2006, we received a grant of BPL Equipment Authorization from the Federal Communications Commission for our second-generation X² BPL Access Node. This certification allows us to market, sell and install our newest generation of nodes for commercial deployments nationwide.

In September 2006, we began the expansion of our BPL network at Duke Energy Corporation in Charlotte, North Carolina to an initial commercial pilot of approximately 6,000 homes. Our goal is to integrate our newest FCC-certified node, our next-generation couplers, alternative couplers, and additional equipment to deliver a comprehensive BPL communication network to our customers. The network will be managed by the latest version of the Company's network management system know as AmbientNMS. In August 2007, we and the utility revised

the deployment plan in an effort to reduce the potential for damage to the network during electrical storms. The revised deployment plan includes the integration of alternative couplers, such as capacitive, and additional equipment, such as surge protection devices, on the overhead portion of the network.

In 2006, other pilots and trials also advanced to their next stages. In January 2006, we successfully completed field trials and entered into an agreement with Consolidated Edison and the New York State Energy Research and Development Authority to begin an Advanced Grid Management Pilot Phase, generating \$325,000 of first quarter income. Our BPL pilot network evaluating Smart Grid and consumer broadband applications on the San Diego Gas & Electric Company grid was extended and enhanced in October. The upgraded network will deploy our FCC-certified next generation X² nodes, be managed by the latest version of AmbientNMS, and test additional BPL applications. We also initiated new pilots, one with Akron, Ohio based FirstEnergy Service Company for a residential BPL network covering several hundred homes in Ohio and managed by AmbientNMS, and a Smart Grid utility applications pilot program with Entergy Corporation in Little Rock, Arkansas. We also continued to run several smaller scale residential and MDU BPL networks.

During 2007, we continue to focus on our core business of designing, developing and commercializing BPL equipment, technologies, and services. Our goal is to continue becoming a leading supplier of commercially deployed turn-key BPL networks that deliver high-speed data services to electric utilities, commercial, governmental, and residential customers. We intend to generate revenues from the design of these BPL networks, as well as the sales, installation, and support of the necessary equipment and technologies, and from the licensing of our network management system.

Aided by our partnerships and strategic relationships, and subject to raising additional working capital, we continue the development of the next generation of BPL equipment and technology, including our network management system, AmbientNMS, and to protect our intellectual property by expanding our patent portfolio, and, when necessary, aggressively protecting our proprietary technologies. In addition, we will continue to pursue a role as a leading BPL systems designer, integrator, and coordinator to position Ambient to generate revenue from all phases of a BPL deployment. We intend to continue to drive industry standardization efforts through leadership roles in industry associations such as the Universal Powerline Association and the United Power Line Council and standards setting organizations such as the Institute of Electrical and Electronics Engineers.

We actively seek new opportunities for commercial pilots and work to bring new and existing networks to full commercialization. In 2007, our principal target customers will continue to be electric utilities in North America that will be focusing on Smart Grid utility applications. We will work with our utility customers to drive the development of new utility and consumer applications that create the need for our BPL networks.

As of June 30, 2007, we had an accumulated deficit of approximately \$105 million (which includes approximately \$59.2 million in stock-based charges and other non-cash charges).

CRITICAL ACCOUNTING POLICIES AND USE OF ESTIMATES

The discussion and analysis of our financial condition and results of operations are based upon our consolidated financial statements, which have been prepared in accordance with generally accepted accounting principles in the United States. The preparation of these financial statements requires management to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses, and related disclosure of contingent assets and liabilities. On an on-going basis, we evaluate our estimates, including those related to revenue recognition, bad debts, investments, intangible assets and income taxes. Our estimates are based on historical experience and on various other assumptions that are believed to be reasonable under the circumstances. Actual results may differ from these estimates.

We have identified the accounting policies below as critical to our business operations and the understanding of our results of operations.

REVENUE RECOGNITION. We recognize revenue from product sales upon shipment to customers and when all requirements related to the shipments have occurred. We recognize revenue from design and installation services at the time services are performed. Revenue from software licensing is deferred and recognized over the life of the license agreement.

INVENTORY VALUATION. Inventory is valued at the lower of cost or market determined on the first-in, first-out (FIFO) basis. Market value, with respect to direct materials, is replacement cost and is net realizable value for work-in-process and finished goods. The value of the inventory is adjusted for estimated obsolescence or unmarketable inventory equal to the difference between the cost of inventory and the estimated market value based upon assumptions about future demand and market conditions. Further, while we are still in late stage development, fixed manufacturing costs may produce negative gross margins. As such, inventories are reviewed for lower of cost or market valuation.

STOCK-BASED COMPENSATION. Effective January 1, 2006, the Company adopted SFAS Statement of Financial Accounting Standards Statement No. 123(R) "Share Based Payment" ("SFAS 123(R)") utilizing the "modified prospective" method as described in SFAS 123(R). In the "modified prospective" method, compensation cost is recognized for all share-based payments granted after the effective date and for all unvested awards granted prior to the effective date. In accordance with SFAS 123(R), prior period amounts were not restated. SFAS 123(R) also requires the tax benefits associated with these share-based payments to be classified as financing activities in the Statement of Cash Flows, rather than operating cash flows as required under previous regulations.

Stock options granted to non-employees are recorded at their fair value, as determined in accordance with SFAS No. 123 and Emerging Issues Task Force Consensus No. 96-18, and recognized over the related service period. Deferred charges for options granted to non-employees are periodically re-measured as the options vest.

DEFERRED INCOME TAXES. Deferred income taxes are recognized for the tax consequences of "temporary differences" by applying enacted statutory rates applicable to future years to differences between the financial statement carrying amounts and the tax basis of existing assets and liabilities. At March 31, 2007, our deferred income tax assets consisted primarily of net operating loss carry forwards and stock based compensation charges which have been fully offset with a valuation allowance due to the uncertainty that a tax benefit will be realized from the assets in the future.

RESULTS OF OPERATIONS

COMPARISON OF THE SIX AND THREE MONTHS ENDED JUNE 30, 2007 TO THE SIX AND THREE MONTHS ENDED JUNE 30, 2006

REVENUE. Revenues for the six and three months ended June 30, 2007 were \$1,936,184 and \$167,984, respectively. Revenues for the corresponding periods in and 2006 were \$737,200 and \$2,503, respectively. Revenues during each of the periods were attributable to the sales of equipment, software and related network

design and installation services from new pilots that were launched in 2005. Revenues for the six months ended June 30 2007 and 2006 period related to the sales of equipment totaled \$1,851,482 and \$399,998, respectively. Revenues from the sale of software and related network design and installation services for the six months ended June 30, 2007 and the 2006 period totaled \$84,702 and \$337,202, respectively. The 2006 period included the recording as revenue of a \$325,000 advance received from Consolidated Edison Company of New York, Inc. ("Con Edison"), an affiliate of Consolidated Edison, Inc., a principal stockholder of Ambient in connection with the initial feasibility trial of BPL technology.

COST OF GOODS SOLD. Cost of goods sold for the six and three months ended June 30, 2007 were \$1,412,229 and \$140,790, respectively. Cost of Goods Sold during the corresponding periods in 2006 were \$430,708 and \$0, respectively. Cost of goods sold included all costs related to manufacturing and selling products and services and consisted primarily of direct material costs and salaries and related expenses for personnel. Cost of goods sold also included expenses related to the write down of inventory to the lower of cost or market. The write downs for 2007 are largely attributed to obsolescence of first generation BPL equipment which has been upgraded and deployed through pilots and trials.

GROSS MARGIN. Gross margin for the six and three months ended June 30, 2007 were \$523,955 and \$27,194, respectively. Gross Margins for the corresponding periods in 2006 were \$306,492 and \$2,503, respectively. Gross margin for the 2006 period included the \$325,000 of revenue from Con Edison that had no associated costs. Upon successful completion of the feasibility trial, first initiated in 2002, the \$325,000 advance owing from the Company to Con Edison was not required to be repaid and thus was included in revenue.

The gross margin on hardware sales amounted to \$451,426 and a loss of \$24,532 for the six months ended June 30, 2007 and 2006, respectively. Gross margins on hardware sales in 2007 and 2006 were affected by early stage low volume pricing as well as inventory markdowns.

RESEARCH AND DEVELOPMENT EXPENSES. Research and development expenses consisted primarily of expenses incurred in designing, developing and field testing our BPL Solutions. These expenses consisted primarily of salaries and related expenses for personnel, contract design and testing services, supplies used and consulting, and license fees paid to third parties. Research and development expenses for the six and three months ended June 30, 2007 were \$1,777,604 and \$822,698, respectively. Research and development expenses during the corresponding periods in 2006 were \$1,515,311 and \$737,731, respectively. The increase in research and development expenses during the 2007 periods is primarily attributable to an increase in personnel and development efforts.

GENERAL AND ADMINISTRATIVE EXPENSES. General and administrative expenses primarily consisted of salaries and other related costs for personnel in executive and other administrative functions. Other significant costs included professional fees for legal, accounting and other services. General and administrative expenses for the six and three months ended June 30, 2007 were \$1,994,200 and \$1,087,261, respectively. General and administrative expenses during the corresponding periods in 2006 were \$1,586,932 and \$872,375, respectively.

OTHER OPERATING EXPENSES. A portion of our operating expenses were attributable to non-cash charges associated with the compensation of consultants and employees through the issuance of stock options and stock grants. Stock-based compensation is a non-cash expense and will therefore have no impact on our cash flows or liquidity. For the six and three months ended June 30, 2007, we incurred non-cash stock-based compensation expense of \$136,330 and \$68,165, respectively. Other Operating expenses during the corresponding periods in 2006 were \$25,776 and \$12,959.

OTHER OPERATING INCOME. For the six and three months ended June 30, 2007, other operating income totaled \$179,755 and \$0, respectively. Other operating income during the corresponding periods in 2006 were \$0. In March 2007, the Company sold equipment for a gain of \$179,755. The gain resulting from grant monies received from Con Edison in order to compensate the Company for equipment costs that were incurred in performing the Advanced Grid Management Pilot Phase with NYSERDA.

NONCASH EXPENSES. For the six and three months ended June 30, 2007, we incurred non-cash expenses, excluding stock-based compensation to employees and consultants, of \$2,671,652 and \$1,378,356, respectively.

Noncash expenses for the corresponding periods in 2006 were \$2,098,254 and \$1,282,629, respectively. The non-cash expenses related to the amortization of the beneficial conversion feature and deferred financing costs incurred in connection with the placement of our Senior Secured 8% Convertible Debentures, which were issued in May 2006, our 6% Convertible Debentures, which were issued in December 2004, and deferred financing costs on certain bridge loan financing that was completed during the first quarter of 2006. These costs are amortized to the date of maturity of the debt unless converted earlier.

INTEREST EXPENSE. For the six and three months ended June 30, 2007, we incurred interest of \$265,203 and \$133,317, respectively. Interest expenses for the corresponding periods in 2006 were \$233,604 and \$174,832, respectively. The interest relates primarily to our Senior Secured 8% Convertible Debentures, which were issued in May 2006 and our 6% Convertible Debentures, which were issued in December 2004.

LIQUIDITY AND CAPITAL RESOURCES

Cash balances totaled \$4,003,749 at June 30, 2007 and \$2,385,668 at December 31, 2006.

Net cash used in operating activities for the six months ended June 30, 2007 was \$2,196,938 and was used primarily to pay ongoing research and development and general and administrative expenses. We maintain an inventory of our products to facilitate the expansion of our ongoing pilots and to further prepare for the commercialization phase of our BPL Solutions. Our inventory was valued at \$470,058 as of June 30, 2007.

Net cash from investing activities totaled \$55,019 during the six months ended June 30, 2007. The Company sold equipment for a total of \$194,997. In addition, the Company purchased property and equipment in the amount of \$139,978.

From inception through June 30, 2007, we have funded our operations primarily through the issuance of our securities. Our recent financings are discussed below.

In January and April 2006, we entered into secured bridge loan agreements with an institutional investor pursuant to which we borrowed \$2,000,000 from such investor. After payment of due diligence fees and transaction related fees and expenses, we received net proceeds of approximately \$1,780,000. An amount equal to 108% of the principal amount of the loans was due and payable on the earlier of June 24, 2006 or the date we effected a financing transaction or series of transactions resulting in gross proceeds to us of at least \$2,000,000. The bridge lender participated in the May 2006 convertible debenture transaction referred to below and, accordingly, \$1,500,000 in principal amount of such bridge loans (out of a total of \$2 million) was offset against the bridge lender's purchase price of the convertible debentures. In May 2006, the remainder of the loan was repaid in its entirety from the proceeds of the 2006 Convertible Debentures.

In May 2006, we raised \$10 million from the private placement to certain accredited institutional and individual investors of our 8% Senior Secured Convertible Debentures ("2006 Convertible Debentures"). Investors in the private placement also received Class A warrants, exercisable through June 30, 2009, to purchase up to 33,333,333 shares of our Common Stock at a per share exercise price of \$0.20 and Class B warrants, exercisable through June 30, 2011, to purchase up to 33,333,333 shares of our Common Stock at a per share exercise price of \$0.25, in each case the exercise prices subject to adjustment upon certain specified conditions. We received net proceeds of approximately \$6.85 million after payment of offering related fees and expenses and outstanding short-term loans. Commencing on the first business day in September 2006 and on the first business day on each month thereafter, we are required to prepay 4.77% of the principal amount of the 2006 Convertible Debentures originally issued, but not more than the then outstanding principal amount, together with all accrued interest due and payable up to such repayment date. At our option the amount may be paid either (i) in shares of Common Stock at a rate equal to 75% of the value weighted average price (VWAP) of the Common Stock for the ten trading days ending on the trading day immediately preceding the scheduled payment date, but only if at the time of payment a registration statement (the "Registration Statement") covering the resale of the Common Stock underlying the 2006 Convertible Debentures and the warrants is then effective or (ii) in cash, at 110% of the principal amount due and 100% of all other amounts due. The Registration Statement is currently effective.

In June 2007, we entered into a loan agreement with an institutional investor pursuant to which we borrowed \$4,000,000. The outstanding principal and on this loan was satisfied from the 2007 Note referred to below.

In July 2007, we raised gross proceeds of \$7,500,000 from the private placement to the investor who advanced to us the short-term loan in June 2007 of our three year 8% Senior Secured Convertible Note. At closing, we received net proceeds of approximately \$2.83 million. The investor in this private placement has a lien on all of our assets. The agreement with the investor contemplates that we can obtain up to an addition \$5 million from other investors on terms and conditions substantially similar to the July 2007 investment. Any additional investment is subject to an increase in our authorized Common Stock. We have filed a preliminary proxy statement for a special meeting of our stockholders that is currently scheduled to be held on September 21, 2007 to approve an amendment to our Certificate of Incorporation to increase our authorized Common Stock to 1,250,000,000 shares.

We will require additional funds to meet our liquidity and operating needs and to satisfy our long-term business plan. The initial commercial build out of our BPL Solutions on Duke's electrical distribution grid, as well as any potential upgrading of such build-out or any additional build-out, will require additional capital resources. Management is aggressively seeking to raise the necessary capital through debt or equity issuances to both strategic and institutional investors. At the present time we have no commitments for any additional funding, and no assurance can be provided that we will be able to raise the needed capital on commercially reasonable terms. Additional investments will require an increase in the Company's authorized Common Stock; to that end, the Company has filed its preliminary proxy statement in connection with a special meeting of the stockholders, currently scheduled for September 21, 2007, to increase the authorized Common Stock. Our auditors have included a "going concern" qualification in their auditors' report for the year ended December 31, 2006. Such a "going concern" qualification may make it more difficult for us to raise funds when needed. In addition, any equity financing can be expected to result in significant dilution.

ITEM 3. CONTROLS AND PROCEDURES

We maintain disclosure controls and procedures that are designed to ensure that information required to be disclosed in our Exchange Act reports is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to management, including our President and Chief Executive Officer (who also serves as our principal executive officer and principal financial and accounting officer) to allow timely decisions regarding required disclosure based closely on the definition of "disclosure controls and procedures" in Rule 13a-15(e).

As of the end of the period covered by this report, we carried out an evaluation, under the supervision and with participation of management, including our President and Chief Executive Officer (who also serves as our principal executive officer and principal financial and accounting officer), of the effectiveness of the design and operation of our disclosure controls and procedures. Based on the foregoing, our President and Chief Executive Officer concluded that our disclosure controls and procedures were effective.

During the quarter ended June 30, 2007, there were no changes in our internal control over financial reporting that have materially affected, or are reasonably likely to materially affect our internal control over financial reporting.

PART II - OTHER INFORMATION

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS.

There were no issuances of unregistered shares during the three months ended June 30, 2007.

ITEM 4. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS.

Our Annual Meeting of Stockholders was held on May 24, 2007. The following matters were voted on: (1) election of directors; (2) increase the number of authorized shares of Common Stock; and (3) appointment of auditors. The vote tally was as follows:

(1) Proposal to Elect Four Directors to Serve until the 2007 Annual Meeting of Stockholders.

	FOR	WITHHOLD
John Joyce	200,001,654	10,808,552
Michael Widland	200,889,479	9,920,727
D. Howard Pierce	204,192,647	6,617,559
Thomas Higgins	204,148,731	6,661,475

(2) Proposal to ratify the amendment to our certificate of incorporation to increase the number of shares of Common Stock that the Company is authorized to issue from time to time to 750 million shares

FOR	AGAINST	ABSTAIN	BROKER NON VOTES
185,179,389	24,165,424	1,465,391	0

(3) Proposal to ratify the appointment of Rotenberg, Meril Solomon Bertiger & Guttilla, PC as our auditors for the year ending December 31, 2007.

FOR	AGAINST	ABSTAIN	BROKER NON VOTES
203,843,666	4,816,078	2,150,461	0

All Proposals received the requisite number of votes and were approved.

ITEM 6. EXHIBITS

<u>Exhibit No.</u>	<u>Description</u>
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31	Certification of John J. Joyce, Chief Executive Officer, (Principal Executive officer and Principle Financial and Accounting Officer, pursuant to Rule 13a-14(a) of the securities Exchange Act of 1934, as amended.
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32	Certification of John J. Joyce, Chief Executive Officer, (Principal Executive officer and Principle Financial and Accounting Officer, pursuant to 18 U.S.C section 1350, as adopted pursuant to Section 906 of the Sarbanes- Oxley Act of 2002.
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SIGNATURES

In accordance with the requirements of the Exchange Act, the registrant has caused this report to be signed by the undersigned thereunto duly authorized.

AMBIENT CORPORATION

Dated: August 14, 2007

By: /s/ John J. Joyce

John J. Joyce

Chief Executive Officer (Principal Executive Officer and
Principal Financial and Accounting Officer)