

## **Optiva Inc. Reports Fourth Quarter 2021 Financial Results**

All amounts are stated in United States dollars unless otherwise indicated

- Quarterly revenue at \$16.2 million, stable over the past four quarters
- New Q4'21 Bookings increased to \$26 million, representing a twelve-fold increase when compared to the same period last year
- Gross margin remained robust at 75%
- Net Loss of \$3.3 million, versus Net Income of \$1.7 million in Q4'20
- Adjusted EBITDA<sup>(1)</sup> of \$3.6 million or 23%, versus \$5.2 million in Q4'20, representing the sixth consecutive guarter of Adjusted EBITDA over 20%
- Balance sheet remained solid with \$30.4 million in cash
- Diluted EPS of \$(0.54) versus \$0.29 in Q4'20. Adjusted EPS<sup>(1)</sup> of \$(0.41) versus \$(0.52) last year

TORONTO, March 8, 2022 - Optiva Inc. ("Optiva" or "the Company") (TSX:OPT), a leading provider of mission-critical, cloud-native revenue management software for the telecommunications industry, today released its fourth quarter financial results for the three-month and full-year period ended December 31, 2021.

"The combination of our business activities, financial performance during Q4 and steady progress throughout the year provided further validation that our efforts towards stabilizing revenues while executing on the early days of our growth strategy are tracking extremely well," said John Giere, President and Chief Executive Officer of Optiva. "Our R&D and sales teams are working with existing and prospective customers, more so than ever before, to understand, educate and solve for their unique cloud migration needs which has resulted in a significant increase in new bookings and a robust 2022 customer pipeline."

"As we look to 2022, our strategic path remains very clear. We continue to focus on completing our business stabilization work and pivoting to drive growth through leveraging cloud technology and economics, 5G market adoption and a new focus on software license growth, which are all expected to contribute to top-line and improved gross margin levels in due course."

### **Business Highlights**

- New Bookings in Q4'21 and FY'21 increased twelve-fold and five-fold, respectively
  to \$26 million and \$50 million. Regarding our customer wins, we secured both
  incumbent upgrades (5) and new customers (4) over the course of the year. These
  wins are a strong endorsement of both our stability and future product direction.
- Optiva enhanced its market position and customer reach by entering into a multiyear partnership with Google Cloud to increase telecom customer success by enabling faster time to innovation, flexible 5G monetization and operational cost savings while driving a strong customer experience. The collaboration allows customers to accelerate their digital transformation and journey to the cloud, private and public, and deployment on the edge with Optiva products available via Google Cloud Marketplace as a SaaS solution.
- Optiva established a second R&D Centre of Excellence in Bengaluru, India, to accelerate telecom BSS innovation. Optiva chose Bengaluru due to its reputation as a thriving technology center and its concentration of global software companies, universities and talent. With a local leadership team already in place, Optiva aims to grow its headcount rapidly with high-caliber engineers across a number of disciplines.
- Optiva secured four new customer wins and five incumbent cloud upgrades during 2021. For example, Omantel signed a multi-year agreement with Optiva to upgrade Optiva Charging Engine™ to a cloud-native architecture on Omantel's private cloud. The upgrade represents the next phase of Omantel's digital transformation strategy to use technology and automation to drive superior customer experience and significantly improve time to market for new services. The upgrade will support new business models for 5G monetization and introduce Optiva Test Framework to reduce deployment time by up to 70%. Omantel will gain platform capabilities to deliver new customer-centric services and expand its customer base across consumer, fixed, broadband and enterprise market segments, supported by Optiva's platform.
- Certain directors and members of the management team purchased an aggregate of 64,129 common shares of Optiva, representing an aggregate investment of approximately C\$1.3 million.

## Fourth Quarter 2021 Financial Results Highlights:

Q4 Fiscal 2021 Highlights	Three Months Ended		Twelve Months Ende			
(\$ US Thousands, except per share information)	Dec	ember 31,	December 31,			
(Unaudited)	2021	2020	2021	2020		
Revenue	16,169	18,142	65,236	75,916		
Net Income (Loss)	(3,310)	1,670	18,503	(41,520)		
Earnings (Loss) Per Share	\$(0.54)	\$ 0.31	\$ 3.12	\$(7.81)		
Adjusted EBITDA	3,646	5,231	18,622	7,701		
Cash from (used in) operating activities	(3,300)	(2,621)	2,647	(7,900)		
Total cash, including restricted cash	30,379	18,290	30,379	18,290		

- Revenue was \$16.2 million for Q4'21, a decrease of \$2.0 million driven by known attritions. The year-over-year revenue decrease was primarily due to the discontinuation of software, support and subscription sales to customers who had previously notified Optiva of their exit.
- Gross margin for Q4'21 remained strong at 75% compared to the same period in 2020, mainly attributable to tight cost management and continued progress in realizing operational efficiencies.
- General and administrative expenses decreased to \$4.8 million compared to \$6.2 million during the same period in 2020. The decrease is mainly due to lower legal and advisory costs related to activities of the special committee of the board of directors incurred last year, lower amortization costs offset by higher stock-based compensation and higher compensation costs.
- Earnings before interest, taxes, depreciation and amortization ("EBITDA")<sup>(1)</sup> for Q4'21 was \$3.6 million compared to \$4.6 million during the same period in 2020. Adjusted EBITDA<sup>(1)</sup> ("Adjusted EBITDA") for Q4'21 amounted to \$3.6 million as compared to \$5.2 million during the same period in 2020. In keeping with our stated strategic investment priorities, Adjusted EBITDA declined \$1.6 million in part driven by \$0.9 million higher Sales and Marketing expenses attributable to increased sales coverage and growth in new bookings. Investments in our Research & Development organization resulted in \$0.3 million higher expense (excluding SBC and D&A) compared to same period in 2020.
- On a year-over-year basis, net income was impacted by \$3.2 million of finance costs related to interest on debentures and the increase in the value of warrants.
  As a result, the Company reported a net loss of \$3.3 million in Q4'21, compared to net income of \$1.7 million during the corresponding period in 2020, which included a finance cost recovery of \$2.0 million related to a decrease in value of warrants offset by interest on Debentures.

<sup>(1)</sup> EBITDA, Adjusted EBITDA, New Bookings and adjusted EPS are non-IFRS measures. These measures are defined in the "Non-IFRS Financial Measures" section of this news release.

#### **Conference Call**

Optiva Inc. will hold an analyst call on Tuesday, March 8, 2022, to discuss its fourth quarter 2021 financial results for the three-month period ended December 31, 2021. John Giere, CEO, and Dinesh Sharma, V.P. Finance will host the call starting at 5:30 p.m. Eastern time. A question and answer session will follow management's discussion.

Date: Tuesday, March 8, 2022 Time: 5:30 p.m. Eastern Time

Toll-free (Canada/US): 1-888-204-4368

International: 1-720-543-0214

Conference ID: 4600229

Online Access: <a href="https://themediaframe.com/mediaframe/webcast.html?webcastid=ZgisTEGs">https://themediaframe.com/mediaframe/webcast.html?webcastid=ZgisTEGs</a>

Please dial into the conference telephone number 5-10 minutes prior to the start time. An operator will register your name and organization.

#### Non-IFRS Measures

"EBITDA" and "Adjusted EBITDA" are not financial measures calculated and presented in accordance with International Financial Reporting Standards (IFRS) and should not be considered in isolation or as a substitute to net income (loss), operating income or any other financial measures of performance calculated and presented in accordance with IFRS, or as an alternative to cash flow from operating activities as a measure of liquidity. The Company defines EBITDA as net income (loss) excluding amounts for depreciation and amortization, other income, finance costs, finance income, income tax expense (recovery), foreign exchange gain (loss) and share-based compensation. The Company defines "Adjusted EBITDA" as EBITDA (as defined above), excluding restructuring costs, one-time provision amounts, and any one-time transaction costs associated with shareholder conflict. The Company believes that Adjusted EBITDA is a metric that investors may find useful in understanding the Company's financial position. The following table provides a reconciliation of Net Income to EBITDA and Adjusted EBITDA.

	Three mon Decei	ths ended mber 31,	Twelve months ended December 31,		
	2021	2020	2021	2020	
Net Income (loss) for the period \$	(3,309,877) \$	1,669,668 \$	18,503,035 \$	6 (41,520,211)	
Add back / (subtract):					
Depreciation of property and equipment	85,855	_	169,456	_	
Amortization of intangible assets	362,763	1,819,563	1,451,052	8,960,116	
Finance (income)	(63,670)	(155,736)	(535,030)	(405,810)	
Finance costs (recovery)	3,240,984	(2,029,188)	(6,259,047)	26,253,579	
Income tax expense	1,077,562	3,598,360	3,515,958	6,273,866	
Foreign exchange loss (gain)	368,858	100,211	(266,361)	1,999,216	
Share-based compensation	1,883,949	(383,911)	3,789,925	151,979	
EBITDA	3,646,424	4,618,967	20,368,988	1,712,735	
Restructuring costs	_	(39,449)	_	162,713	
Change in other provisions	_	_	(1,313,725)	3,072,717	
One-time costs (recovery) related to			( , , , ,		
shareholder conflict and debenture financing	-	651,787	(433,610)	2,752,916	
Adjusted EBITDA \$	3,646,424 \$	5,231,305 \$	18,621,653 \$	7,701,081	

New Bookings are total bookings minus SLA renewals. New Bookings indicates the contractually committed revenue, excluding renewal of maintenance/support contracts from existing customers, that we expect to recognize over the forthcoming quarters. New Bookings is thus a subset of our Total Bookings in a particular period. New Bookings indicate our success in contracting new business, whereas Total Bookings reflect our success in both contracting new business and renewing existing maintenance and support SLAs.

Adjusted EPS is reported diluted EPS excluding the impact of change in the fair value of warrants.

### **About Optiva**

Optiva Inc. is a leading provider of mission-critical, cloud-native revenue management software for the telecommunications industry. Its products are delivered globally on the private and public cloud. The Company's solutions help service providers maximize digital, 5G, IoT and emerging market opportunities to achieve business success. Established in 1999, Optiva Inc. is on the Toronto Stock Exchange (TSX: OPT). For more information, visit <a href="https://www.optiva.com">www.optiva.com</a>.

## **Caution Concerning Forward-Looking Statement**

Certain statements in this document may constitute "forward-looking" statements that involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements or industry results to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. When used in this document, such statements use such words as "may," "will," "expect," "continue," "believe," "plan," "intend," "would," "could," "should," "anticipate" and other similar terminology. These statements are forwardlooking as they are based on our current expectations, as at March 8, 2022, about our business and the markets we operate in and on various estimates and assumptions. Our actual results could materially differ from our expectations if known or unknown risks affect our business or if our estimates or assumptions turn out to be inaccurate. As a result, there is no assurance that any forward-looking statements will materialize. Risks that could cause our results to differ materially from our current expectations are discussed in the Company's most recent Annual Information Form, available on SEDAR at www.sedar.com and Optiva's website at www.optiva.com/investors/. Other unknown or unpredictable factors or underlying assumptions subsequently proving to be incorrect could cause actual results to differ materially from those in the forward-looking statements. Optiva does not undertake or accept any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements to reflect any change in its expectations or any change in events, conditions or circumstances on which any such statement is based, except as required by law.

For additional information, please contact:

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# **OPTIVA INC.**

Consolidated Statements of Financial Position (Expressed in U.S. dollars)
As at December 31, 2021 and December 31, 2020

	2021	2020
Assets		
Current assets:		
Cash and cash equivalents	\$ 29,586,926	\$ 17,663,998
Trade accounts and other receivables	7,203,145	7,868,501
Unbilled revenue	8,209,036	4,086,395
Prepaid expenses	3,044,329	2,752,304
Income taxes receivable	4,361,968	4,281,673
Other assets	822,592	222,101
Total current assets	53,227,996	36,874,972
Restricted cash	791,971	625,692
Property and equipment	883,168	´ <b>–</b>
Deferred income taxes	431,472	208,237
Other assets	372,194	624,134
ong-term unbilled revenue	2,878,032	3,520,177
ntangible assets	1,804,430	3,255,482
Goodwill	32,271,078	32,271,078
otal assets	\$ 92,660,341	\$ 77,379,772
Current liabilities:		
Liabilities and Shareholders' Equity (Deficit)  Current liabilities: Trade payables	\$ 2,083,634	\$ 8,811,407
Current liabilities: Trade payables Accrued liabilities	\$ 12,904,992	\$ 9,677,245
Current liabilities: Trade payables Accrued liabilities Provisions	\$ 12,904,992 4,200,000	\$ 9,677,245 5,555,373
Current liabilities: Trade payables Accrued liabilities Provisions Income taxes payable	\$ 12,904,992 4,200,000 3,467,897	\$ 9,677,245 5,555,373 4,932,157
Current liabilities: Trade payables Accrued liabilities Provisions	\$ 12,904,992 4,200,000	\$ 9,677,245 5,555,373
Current liabilities: Trade payables Accrued liabilities Provisions Income taxes payable Deferred revenue Total current liabilities	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities  Pension and other long-term employment benefit plans	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities Pension and other long-term employment benefit plans Debentures	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877 86,989,976	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459 86,338,367
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities  Pension and other long-term employment benefit plans Debentures Series A Warrant	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877 86,989,976 1,495,025	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities  Pension and other long-term employment benefit plans Debentures Series A Warrant Standby Warrant	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877 86,989,976 1,495,025 172,550	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459 86,338,367 16,662,808
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities Pension and other long-term employment benefit plans Debentures Deferred A Warrant Standby Warrant Deferred income taxes	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877 86,989,976 1,495,025	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459 86,338,367
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities Pension and other long-term employment benefit plans Debentures Series A Warrant Standby Warrant Deferred income taxes  Total liabilities	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877 86,989,976 1,495,025 172,550 745,745	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459 86,338,367 16,662,808 — 898,146
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities Pension and other long-term employment benefit plans Debentures Series A Warrant Standby Warrant Deferred income taxes Total liabilities  Chareholders' equity (deficit):	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877 86,989,976 1,495,025 172,550 745,745	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459 86,338,367 16,662,808 — 898,146 156,811,830
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities Pension and other long-term employment benefit plans Debentures Desires A Warrant Standby Warrant Deferred income taxes Total liabilities  Share capital	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877 86,989,976 1,495,025 172,550 745,745	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459 86,338,367 16,662,808 — 898,146
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities Pension and other long-term employment benefit plans Debentures Series A Warrant Series A Warrant Deferred income taxes Total liabilities Share capital Standby Warrant Share capital Standby Warrant	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877 86,989,976 1,495,025 172,550 745,745 127,724,757	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459 86,338,367 16,662,808 — 898,146 156,811,830 250,904,013 997,500
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities Pension and other long-term employment benefit plans Debentures Debentures Desires A Warrant Standby Warrant Deferred income taxes Total liabilities  Share capital	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877 86,989,976 1,495,025 172,550 745,745 127,724,757 270,559,551 14,171,732	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459 86,338,367 16,662,808 
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities Pension and other long-term employment benefit plans Debentures Series A Warrant Standby Warrant Deferred income taxes Fotal liabilities Share capital Standby Warrant Contributed surplus	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877 86,989,976 1,495,025 172,550 745,745 127,724,757	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459 86,338,367 16,662,808 — 898,146 156,811,830 250,904,013 997,500
Current liabilities:     Trade payables     Accrued liabilities     Provisions     Income taxes payable     Deferred revenue     Total current liabilities  Deferred revenue Other liabilities Pension and other long-term employment benefit plans Debentures Series A Warrant Standby Warrant Deferred income taxes Cotal liabilities Share capital Standby Warrant Contributed surplus Deficit	\$ 12,904,992 4,200,000 3,467,897 3,995,143 26,651,666 151,306 2,095,612 9,422,877 86,989,976 1,495,025 172,550 745,745 127,724,757 270,559,551 14,171,732 (317,339,214)	\$ 9,677,245 5,555,373 4,932,157 4,894,195 33,870,377 661,837 2,797,836 15,582,459 86,338,367 16,662,808 — 898,146 156,811,830 250,904,013 997,500 11,406,814 (335,842,249)

## **OPTIVA INC.**

Consolidated Statements of Comprehensive Income (Loss) (Expressed in U.S. dollars, except per share and share amounts) Years ended December 31, 2021 and December 31, 2020

		2021		2020
Revenue:				
Support and subscription	\$	47,635,223	\$	58,288,775
Software licenses, services and other	•	17,600,969	,	17,626,729
		65,236,192		75,915,504
Cost of revenue		14,875,452		19,603,845
Gross profit		50,360,740		56,311,659
Operating expenses:				
Sales and marketing		8,129,955		7,952,320
General and administrative		16,762,490		30,058,707
Research and development		10,509,740		25,537,279
Restructuring costs .		_		162,713
		35,402,185		63,711,019
Income (loss) from operations		14,958,555		(7,399,360)
Foreign exchange gain (loss)		266,361		(1,999,216)
Finance and other income		535,030		405,810
Finance recovery (costs)		6,259,047		(26,253,579)
Income (loss) before income taxes		22,018,993		(35,246,345)
Income tax expense (recovery):				
Current		3,864,032		5,801,865
Deferred		(348,074)		472,001
		3,515,598		6,273,866
Net income (loss) for the year		18,503,035		(41,520,211)
Other comprehensive income (loss):				
Items that will not be reclassified to net income:				
Actuarial (loss) / gain on pension and non-pension				
post-employment benefit plans, net of income				
tax expense of nil (2020 - nil)		4,441,651		(2,416,940)
Total comprehensive income (loss)	\$	22,944,686	\$	(43,937,151)
Net income (loss) per common share:				
Basic	\$	3.12	\$	(7.81)
Diluted	Ψ	3.12	Ψ	(7.81)
Mainhtad average growth as of a service at the service at				
Weighted average number of common shares:		F 007 744		E 04E 040
Basic		5,927,744		5,315,940
Diluted		5,948,871		5,315,940

## **OPTIVA INC.**

Consolidated Statements of Cash Flows (Expressed in U.S. dollars) Years ended December 31, 2021 and December 31, 2020

	2021	2020
Cash provided by (used in):		
Operating activities:		
Net income (loss) for the year	\$ 18,503,035	\$ (41,520,211)
Adjustments for:		, , ,
Depreciation of property and equipment	169,456	_
Amortization of intangible assets	1,451,052	8,960,116
Finance income	(535,030)	(405,810)
Finance costs	(6,259,047)	26,253,579
Income tax expense	3,515,958	6,273,866
Unrealized foreign exchange (gain) / loss	(3,109,791)	(1,683,892)
Share-based compensation	3,789,925	151,979
Pensions	1,614,029	1,236,746
Provisions	(1,355,373)	1,888,212
Change in non-cash operating working capital	(9,605,867)	(4,153,635)
	8,178,347	(2,999,050)
Interest paid	(111,357)	(38,897)
Interest received	23,743	78,201
Income taxes paid	(5,443,547)	(4,940,550)
	2,647,186	(7,900,296)
Financing activities:		
Issuance of debentures	_	90,000,000
Transaction costs on debentures	_	(3,933,723)
Interest paid on debentures	(8,764,162)	
Issue of share capital (private placement)	19,655,538	_
Redemption of preferred shares	_	(80,000,000)
Dividends paid	_	(13,588,145)
	10,891,376	(7,521,868)
Investing activities:		
Purchase of property and equipment	(1,052,749)	_
Decrease (increase) in restricted cash	(166,279)	325,599
	(1,219,028)	325,599
Effect of foreign exchange rate changes		
on cash and cash equivalents	(396,606)	1,012,570
	, ,	
Increase (decrease) in cash and cash equivalents	11,922,928	(14,083,995)
Cash and cash equivalents, beginning of year	17,663,998	31,747,993
Cash and cash equivalents, end of year	\$ 29,586,926	\$ 17,663,998