Invesco Senior Income Trust Form N-CSRS November 08, 2018

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED

MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-08743

Invesco Senior Income Trust (Exact name of registrant as specified in charter)

1555 Peachtree Street, N.E., Suite 1800 Atlanta, Georgia 30309 (Address of principal executive offices) (Zip code)

Sheri Morris 1555 Peachtree Street, N.E., Suite 1800 Atlanta, Georgia 30309 (Name and address of agent for service)

Registrant s telephone number, including area code: (713) 626-1919

Date of fiscal year end: 2/28

Date of reporting period: 8/31/18

Item 1. Report to Stockholders.

Semiannual Report to Shareholders

August 31, 2018

Invesco Senior Income Trust

NYSE: VVR

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Unless otherwise noted, all data provided by Invesco.

NOT FDIC INSURED | MAY LOSE VALUE | NO BANK GUARANTEE

T	ett	ers	to	Sh	are	hol	ders

Dear Fellow Shareholders:

As independent chair of the Invesco Funds Board, I can assure you that the members of the Board are strong advocates for the interests of investors in Invesco s mutual funds. We work hard to represent your interests through oversight of the quality of the investment management services your funds receive and other matters important to your investment. This includes but is not limited to: monitoring how the portfolio management teams of the Invesco funds are performing in light of changing economic and market conditions; assessing each portfolio management team s investment performance within the context of the fund s investment strategy; and monitoring for potential conflicts of interests that may impact the nature of the services that your funds receive.

We believe one of the most important services we provide our fund shareholders is the annual review of the funds advisory and sub-advisory contracts with Invesco Advisers and its affiliates. This review is required by the Investment Company Act of 1940 and focuses on the nature and quality of the services Invesco provides as the adviser to the Invesco funds and the reasonableness of the fees that it charges for those services. Each year, we spend months carefully reviewing information received from Invesco and a variety of independent sources, such as performance and fee data prepared by Lipper, Inc. (a subsidiary of Broadridge Financial Solutions, Inc.), an independent, third-party firm widely recognized as a leader in its field. We also meet with our independent legal counsel and other independent advisers to review and help us assess the information that we have received. Our goal is to assure that you receive quality investment management services for a reasonable fee.

As always, please contact me at bruce@brucecrockett.com with any questions or concerns you may have. On behalf of the Board, we look forward to continuing to represent your interests and serving your needs.

Sincerely,

Bruce L. Crockett

Independent Chair

Invesco Funds Board of Trustees

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Dear Shareholders:

This semiannual report includes information about your Trust, including performance data and a complete list of its investments as of the close of the reporting period.

The investment professionals at Invesco invest with high conviction. This means that, no matter the asset class or the strategy, each investment team has a passion to exceed. We want to help investors achieve better outcomes, such as seeking higher returns, helping mitigate risk and generating income. Of course, investing with high conviction can t guarantee a profit or ensure success; no investment strategy can. To learn more about how we invest with high conviction, visit **invesco.com/HighConviction**.

Our website, **invesco.com/us**, offers timely information about your Trust. Also, you can obtain updates to help you stay informed about the markets and the economy by connecting with Invesco on Twitter, LinkedIn or Facebook. Additionally, you can access our blog at **blog.invesco.us.com**. Our goal is to provide you the information you want, when and where you want it.

Finally, I m pleased to share with you Invesco s commitment to both the Principles for Responsible Investment and to considering environmental, social and governance issues in our robust investment process. I invite you to learn more at **invesco.com/esg**.

For questions about your account, contact an Invesco client services representative at 800 341 2929. For Invesco-related questions or comments, please email me directly at phil@invesco.com.

All of us at Invesco look forward to serving your investment management needs. Thank you for investing with us.

Sincerely,

Philip Taylor

Senior Managing Director, Invesco Ltd.

Trust Performance

Performance summary

Cumulative total returns, 2/28/18 to 8/31/18

Trust at NAV	3.13%
Trust at Market Value	1.07
Credit Suisse Leveraged Loan Index	2.36
Market Price Discount to NAV as of 8/31/18	11.99
Source: Bloomberg L.P.	

The performance data quoted represent past performance and cannot guarantee comparable future results; current performance may be lower or higher. Investment return, net asset value (NAV) and common share market price will fluctuate so that you may have a gain or loss when you sell shares. Please visit invesco.com/us for the most recent month-end performance. Performance figures reflect Trust expenses, the reinvestment of distributions (if any) and changes in NAV for performance based on NAV and changes in market price for performance based on market price.

Since the Trust is a closed-end management investment company, shares of the Trust may trade at a discount or premium from the NAV. This characteristic is separate and distinct from the risk that NAV could decrease as a result of investment activities and may be a greater risk to investors expecting to sell their shares after a short time. The Trust cannot predict whether shares will trade at, above or below NAV. The Trust should not be viewed as a vehicle for trading purposes. It is designed primarily for risk-tolerant long-term investors.

The **Credit Suisse Leveraged Loan Index** represents tradable, senior-secured, US dollar-denominated, noninvestment grade loans.

The Trust is not managed to track the performance of any particular index, including the index described here, and consequently, the performance of the Trust may deviate significantly from the performance of the index.

A direct investment cannot be made in an index. Unless otherwise indicated, index results include reinvested dividends, and they do not reflect sales charges. Performance of the peer group, if applicable, reflects fund expenses; performance of a market index does not.

Important Notice Regarding Share Repurchase Program

In September 2018, the Trustees of the Trust approved a share repurchase program that allows the Trust to repurchase up to 25% of the

20-day average trading volume of the Trust s common shares when the Trust is trading at a 10% or greater discount to its net asset value. The Trust will

repurchase shares pursuant to this program if the Adviser reasonably believes that such repurchases may enhance shareholder value.

Changes to Investment Policies

The Trust primarily invests in a professionally managed portfolio of interests in floating or variable rate senior loans (Senior Loans) to corporations, partnerships and other entities (Borrowers) which operate in a variety of industries and geographical regions (including domestic and foreign entities), although the Trust currently limits investments in non-U.S. Dollar denominated loans to 5% of its total assets.

In order for the Trust to pursue additional investment opportunities in line with its investment objective and strategies, the Board of Trustees of the Trust (the Board) has approved the following changes to the Trust s investment policies, which will permit the Trust to invest to a greater degree in non-U.S. Dollar denominated loans and to increase the use of currency hedging strategies by employing futures contracts, swap contracts and forward foreign currency contracts.

Effective on or about December 3, 2018, the Trust s 80% policy will be revised as follows: In normal market conditions, at least 80% of the Trust s total assets are invested in Senior Loans (either as an Original Lender or as a purchaser of an Assignment or Participation) of domestic Borrowers or foreign

Borrowers. Also effective on or about December 3, 2018, the Trust can use currency futures and currency swaps to hedge its exposure to foreign currencies and engage to a greater extent in foreign currency transactions either on a spot basis (i.e., for prompt delivery and settlement at the rate prevailing in the currency exchange market at the time) or through forward foreign currency contracts to mitigate the risk of foreign currency exposure. Spot contracts allow for prompt delivery and settlement at the rate prevailing in the currency exchange market at the time. A forward foreign currency contract is an agreement between parties to exchange a specified amount of currency at a specified future time at a specified rate. The Trust can use forward foreign currency contracts to hedge against adverse movements in the foreign currencies in which portfolio securities are denominated.

Risks of Investment in Non-U.S. Issuers - The Trust may invest in Senior Loans and debt securities of Borrowers that are organized or located in countries other than the United States. The Trust s foreign investments may be adversely affected by political and social instability, changes in economic or taxation policies, difficulty in enforcing obligations, decreased liquidity

or increased volatility. Foreign investments also involve the risk of the possible seizure, nationalization or expropriation of the issuer or foreign deposits (in which the Trust could lose its entire investments in a certain market) and the possible adoption of foreign governmental restrictions such as exchange controls. Unless the Trust has hedged its foreign securities risk, foreign securities risk also involves the risk of negative foreign currency rate fluctuations, which may cause the value of securities denominated in such foreign currency (or other instruments through which the Trust has exposure to foreign currencies) to decline in value. Currency exchange rates may fluctuate significantly over short periods of time. Currency hedging strategies, if used, are not always successful.

In addition, the restriction that the Trust may only invest up to 5% of its total assets in Senior Loans or other assets which are denominated in non-U.S. dollars is removed. The Adviser and the Board believe that by implementing these changes, the Adviser will be better able to manage the Trust s portfolio in the best interests of shareholders and to meet the Trust s investment objective, which is to provide a high level of current income, consistent with preservation of capital.

Dividend Reinvestment Plan

The dividend reinvestment plan (the Plan) offers you a prompt and simple way to reinvest your dividends and capital gains distributions (Distributions) into additional shares of your Invesco closed-end Trust (the Trust). Under the Plan, the money you earn from Distributions will be reinvested automatically in more shares of the Trust, allowing you to potentially increase your investment over time. All shareholders in the Trust are automatically enrolled in the Plan when shares are purchased.

Plan benefits

Add to your account:

You may increase your shares in your Trust easily and automatically with the Plan.

Low transaction costs:

Shareholders who participate in the Plan may be able to buy shares at below-market prices when the Trust is trading at a premium to its net asset value (NAV). In addition, transaction costs are low because when new shares are issued by the Trust, there is no brokerage fee, and when shares are bought in blocks on the open market, the per share fee is shared among all participants.

Convenience:

You will receive a detailed account statement from Computershare Trust Company, N.A. (the Agent), which administers the Plan. The statement shows your total Distributions, date of investment, shares acquired, and price per share, as well as the total number of shares in your reinvestment account. You can also access your account at invesco.com/closed-end.

Safekeeping:

The Agent will hold the shares it has acquired for you in safekeeping.

Who can participate in the Plan

If you own shares in your own name, your purchase will automatically enroll you in the Plan. If your shares are held in street name in the name of your brokerage firm, bank, or other financial institution you must instruct that entity to participate on your behalf. If they are unable to participate on your behalf, you may request that they reregister your shares in your own name so that you may enroll in the Plan.

How to enroll

If you haven t participated in the Plan in the past or chose to opt out, you are still eligible to participate. Enroll by visiting invesco.com/closed-end, by calling toll-free 800 341 2929 or by notifying us in writing at Invesco Closed-End Funds, Computershare Trust Company, N.A., P.O. Box 505000, Louisville, KY 40233-5000. If you are writing to us, please include the Trust name and account number and ensure that all shareholders listed on the account sign these written instructions. Your participation in the Plan will begin with the next Distribution payable after the Agent receives your authorization, as long as they receive it before the record date, which is generally 10 business days before the Distribution is paid. If your authorization arrives after such record date, your participation in the Plan will begin with the following Distribution.

How the Plan works

If you choose to participate in the Plan, your Distributions will be promptly reinvested for you, automatically increasing your shares. If the Trust is trading at a share price that is equal to its NAV, you ll pay that amount for your reinvested shares. However, if the Trust is trading above or below NAV, the price is determined by one of two ways:

- 1. Premium: If the Trust is trading at a premium a market price that is higher than its NAV you ll pay either the NAV or 95 percent of the market price, whichever is greater. When the Trust trades at a premium, you may pay less for your reinvested shares than an investor purchasing shares on the stock exchange. Keep in mind, a portion of your price reduction may be taxable because you are receiving shares at less than market price.
- 2. Discount: If the Trust is trading at a discount a market price that is lower than its NAV you ll pay the market price for your reinvested shares.

Costs of the Plan

There is no direct charge to you for reinvesting Distributions because the Plan s fees are paid by the Trust. If the Trust is trading at or above its NAV, your new shares are issued directly by the Trust and there are no brokerage charges or fees. However, if the Trust is trading at a discount, the shares are purchased on the open market, and you will pay your portion of any per share fees. These per share fees are typically less than the standard brokerage charges for individual transactions because shares are purchased for all participants in blocks, resulting in lower fees for each individual participant. Any service or per share fees are added to the purchase price. Per share fees include any applicable brokerage commissions the Agent is required to pay.

Tax implications

The automatic reinvestment of Distributions does not relieve you of any income tax that may be due on Distributions. You will receive tax information annually to help you prepare your federal income tax return.

Invesco does not offer tax advice. The tax information contained herein is general and is not exhaustive by nature. It was not intended or written to be used, and it cannot be used, by any taxpayer for avoiding penalties that may be imposed on the taxpayer under US federal tax laws. Federal and state tax laws are complex and constantly changing.

Shareholders should always consult a legal or tax adviser for information concerning their individual situation.

How to withdraw from the Plan

You may withdraw from the Plan at any time by calling 800 341 2929, by visiting invesco.com/closed-end or by writing to Invesco Closed-End Funds, Computershare Trust Company, N.A., P.O. Box 505000, Louisville, KY 40233-5000. Simply indicate that you would like to withdraw from the Plan, and be sure to include your Trust name and account number. Also, ensure that all shareholders listed on the account sign these written instructions. If you withdraw, you have three options with regard to the shares held in the Plan:

- 1. If you opt to continue to hold your non-certificated whole shares (Investment Plan Book Shares), they will be held by the Agent electronically as Direct Registration Book-Shares (Book-Entry Shares) and fractional shares will be sold at the then-current market price. Proceeds will be sent via check to your address of record after deducting applicable fees, including per share fees such as any applicable brokerage commissions the Agent is required to pay.
- 2. If you opt to sell your shares through the Agent, we will sell all full and fractional shares and send the proceeds via check to your address of record after deducting a \$2.50 service fee and per share fees. Per share fees include any applicable brokerage commissions the Agent is required to pay.
- 3. You may sell your shares through your financial adviser through the Direct Registration System (DRS). DRS is a service within the securities industry that allows Trust shares to be held in your name in electronic format. You retain full ownership of your shares, without having to hold a share certificate. You should contact your financial adviser to learn more about any restrictions or fees that may apply.

The Trust and Computershare Trust Company, N.A. may amend or terminate the Plan at any time. Participants will receive at least 30 days written notice before the effective date of any amendment. In the case of termination, Participants will receive at least 30 days written notice before the record date for the payment of any such Distributions by the Trust. In the case of amendment or termination necessary or appropriate to comply with applicable law or the rules and policies of the Securities and Exchange Commission or any other regulatory authority, such written notice will not be required.

To obtain a complete copy of the current Dividend Reinvestment Plan, please call our Client Services department at 800 341 2929 or visit invesco.com/closed-end.

Schedule of Investments

August 31, 2018

(Unaudited)

	Interest Rate	Maturity Date	Principal Amount (000) ^(a)	Value
Variable Rate Senior Loan Interests 129.39%)(c)				
Aerospace & Defense 4.11%				
Consolidated Aerospace Manufacturing, LLC, Term				
Loan (1 mo. USD LIBOR + 3.75%) (Acquired				
08/19/2015-02/28/2018; Cost \$1,628,916)	5.83%	08/11/2022	\$ 1,643	\$ 1,653,463
DAE Aviation Holdings, Inc., Term Loan (1 mo.				
USD LIBOR + 3.75%)	5.83%	07/07/2022	1,804	1,810,107
Greenrock Finance, Inc., Term Loan B (1 mo. USD				
LIBOR + 3.50%)	5.58%	06/28/2024	1,726	1,735,010
IAP Worldwide Services,				
First Lien Term Loan (Acquired				
07/22/2014-03/16/2018; Cost \$1,407,499) ^{(d)(e)}	0.00%	07/18/2019	1,407	1,407,499
First Lien Term Loan (3 mo. USD LIBOR + 5.50%)				
(Acquired 03/16/2018; Cost \$156,389) ^(e)	1.46%	07/18/2019	156	156,389
Second Lien Term Loan (3 mo. USD LIBOR				
+ 6.50%)	8.83%	07/18/2019	1,834	1,813,693
Maxar Technologies Ltd. (Canada), Term Loan B				
(1 mo. USD LIBOR + 2.75%)	4.83%	10/04/2024	1,748	1,713,148
NAC Aviation 8 Ltd. (Ireland), Term Loan (Acquired				
03/24/2017; Cost \$2,184,095)	8.58%	12/31/2020	2,161	2,161,079
Peraton Corp., Term Loan (3 mo. USD LIBOR +				
5.25%) ^(e)	7.59%	04/29/2024	1,148	1,148,263
Perspecta Inc., Term Loan B (1 mo. USD LIBOR				
+ 2.25%)	4.33%	05/30/2025	1,146	1,148,935
TransDigm Inc.,				
Term Loan E (1 mo. USD LIBOR + 2.50%)	4.58%	05/30/2025	6,763	6,755,892
Term Loan F (1 mo. USD LIBOR + 2.50%)	4.58%	06/09/2023	11,309	11,299,812
Term Loan G (1 mo. USD LIBOR + 2.50%)	4.58%	08/22/2024	40	39,691
Vectra Co.,				
First Lien Term Loan (1 mo. USD LIBOR + 3.25%)	5.33%	03/08/2025	815	815,292
Second Lien Term Loan (1 mo. USD LIBOR				
+ 7.25%)	9.33%	03/08/2026	479	480,809
Wesco Aircraft Hardware Corp., Term Loan B (1 mo.				
USD LIBOR + 2.50%)	4.58%	02/28/2021	1,313	1,307,978
Xebec Global Holdings, LLC, Term Loan (3 mo.				
USD LIBOR + 5.50%)				
(Acquired 02/06/2018-07/26/2018; Cost \$854,391)	7.84%	02/12/2024	861	854,602
				36,301,662

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Air	Trans	port	1.8	83%
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An Transport 1.05 /6				
American Airlines, Inc.,				
Term Loan (1 mo. USD LIBOR + 1.75%)	3.81%	06/27/2025	96	94,239
Term Loan B (1 mo. USD LIBOR + 2.00%)	4.06%	12/14/2023	1,524	1,515,699
Avolon TLB Borrower 1 (US) LLC, Term Loan B-3				
(1 mo. USD LIBOR + 2.00%)	4.08%	01/15/2025	9,124	9,128,055
Gol LuxCo S.A. (Luxembourg), Term Loan	6.50%	08/31/2020	3,076	3,156,993
Mesa Airlines, Inc.,				
Term Loan N913FJ (3 mo. USD LIBOR + 4.50%)				
(Acquired 12/29/2017; Cost \$217,147)	6.80%	12/01/2021	219	217,303
Term Loan N914FJ (3 mo. USD LIBOR + 4.50%)				
(Acquired 12/29/2017; Cost \$251,687)	6.80%	12/01/2021	254	251,868
Term Loan N916FJ (3 mo. USD LIBOR + 4.50%)				
(Acquired 12/29/2017; Cost \$264,956)	6.80%	03/01/2022	268	265,186
Term Loan N917FJ (3 mo. USD LIBOR + 4.50%)				
(Acquired 12/29/2017; Cost \$241,091)	6.80%	03/01/2022	244	241,300
Term Loan N947LR (3 mo. USD LIBOR + 4.50%)				
(Acquired 12/29/2017; Cost \$262,914)	6.80%	09/01/2022	266	263,200
Term Loan N948LR (3 mo. USD LIBOR + 4.50%)				
(Acquired 12/29/2017; Cost \$270,320)	6.80%	09/01/2022	273	270,615
Term Loan N950LR (3 mo. USD LIBOR + 4.50%)				
(Acquired 12/29/2017; Cost \$297,475) ^(e)	6.80%	09/01/2022	301	297,800
Term Loan N951LR (3 mo. USD LIBOR + 4.50%)				
(Acquired 12/29/2017; Cost \$281,676)	6.80%	09/01/2022	285	281,983
Term Loan N915FJ (3 mo. USD LIBOR + 4.50%)				
(Acquired 12/29/2017; Cost \$212,557)	6.80%	12/01/2021	215	212,710
				16,196,951

See accompanying Notes to Financial Statements which are an integral part of the financial statements.

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	Interest Rate	Maturity Date	Principal Amount (000) ^(a)	Value
Automotive 3.10%				
Allison Transmission, Inc., Term Loan (1 mo. USD LIBOR + 1.75%)	3.82%	09/23/2022	\$ 25	\$ 24,868
American Axle & Manufacturing, Inc., Term Loan B				
(2 mo. USD LIBOR + 2.25%)	4.37%	04/06/2024	2,097	2,100,110
Belron Finance US LLC, Term Loan B (3 mo. USD				
LIBOR $+ 2.50\%$)	4.84%	11/07/2024	1,140	1,145,781
CH Hold Corp., Term Loan (1 mo. USD LIBOR				
+ 3.00%)	5.08%	02/01/2024	1,848	1,857,399
Dayco Products, LLC, Term Loan (3 mo. USD LIBOR				
+ 4.25%)	6.56%	05/19/2023	864	867,860
Dealer Tire, LLC, Term Loan (3 mo. USD LIBOR				
+ 3.25%)	5.70%	12/22/2021	148	143,995
Mavis Tire Express Services Corp.,				
Delayed Draw Term Loan ^(d)	0.00%	03/20/2025		