

Supplement Dated May 16, 2016
To the Prospectus and Statement of Additional Information,
each dated May 1, 1996, as amended

Voya Extra Assets
(Formerly known as ING Aextra Assets)

Issued by Voya Retirement Insurance and Annuity Company
Through its Variable Annuity Account B

This supplement updates the Prospectus and Statement of Additional Information ("SAI") for your variable annuity contract and any subsequent supplements thereto. Please read it carefully and keep it with your copy of the Prospectus and SAI for future reference. If you have any questions, please call Customer Service at 1-800-366-0066.

IMPORTANT INFORMATION REGARDING THE COMPANY

Information about the Voya Retirement Insurance and Annuity Company found in your Prospectus and/or SAI is deleted and replaced with the following:

Voya Retirement Insurance and Annuity Company (the "Company," "we," "us," "our") issues the Contracts described in the prospectus and is responsible for providing each Contract's insurance and annuity benefits. All guarantees and benefits provided under the Contracts that are not related to the separate account are subject to the claims paying ability of the Company and our general account. We are a stock life insurance company organized under the insurance laws of the State of Connecticut in 1976. Prior to January 1, 2002, the Company was known as Aetna Life Insurance and Annuity Company. From January 1, 2002, until August 31, 2014, the Company was known as ING Life Insurance and Annuity Company.

We are an indirect, wholly owned subsidiary of Voya Financial, Inc. ("Voya[®]"), which until April 7, 2014, was known as ING U.S., Inc. In May 2013, the common stock of Voya began trading on the New York Stock Exchange under the symbol "VOYA" and Voya completed its initial public offering of common stock.

We are engaged in the business of issuing insurance and annuities and providing financial services in the United States. We are authorized to conduct business in all states, the District of Columbia, Guam, Puerto Rico and the Virgin Islands.

Our principal executive offices are located at:

One Orange Way
Windsor, Connecticut 06095-4774

IMPORTANT INFORMATION REGARDING TAX STATUS

The following information regarding Same-Sex Marriages is added to the Tax Status section of your Prospectus:

Same-Sex Marriages

The contract provides that upon your death a surviving spouse may have certain continuation rights that he or she may elect to exercise for the contract's death benefit and any joint-life coverage under a living benefit. All contract provisions relating to spousal continuation are available only to a person who meets the definition of "spouse" under federal law. The U.S. Supreme Court has held that same-sex marriages must be permitted under state law and that marriages recognized under state law will be recognized for federal law purposes. Domestic partnerships and civil unions that are not recognized as legal marriages under state law, however, will not be treated as marriages under federal law. Please consult your tax and/or legal adviser for further information about this subject.

IMPORTANT INFORMATION REGARDING OTHER TOPICS

The following information is added to the Miscellaneous section of your Prospectus:

Order Processing

In certain circumstances, we may need to correct the pricing associated with an order that has been processed. In such circumstances, we may incur a loss or receive a gain depending upon the price of the fund when the order was executed and the price of the fund when the order is corrected. Losses may be covered from our assets and gains that may result from such order correction will be retained by us as additional compensation associated with order processing.

Unclaimed Property

Every state has some form of unclaimed property laws that impose varying legal and practical obligations on insurers and, indirectly, on contract owners, insureds, beneficiaries and other payees of proceeds. Unclaimed property laws generally provide for escheatment to the state of unclaimed proceeds under various circumstances.

Contract owners are urged to keep their own, as well as their beneficiaries' and other payees', information up to date, including full names, postal and electronic media addresses, telephone numbers, dates of birth, and Social Security numbers. Such updates should be communicated to Customer Service by calling 1-800-366-0066.

Cyber Security

Like others in our industry, we are subject to operational and information security risks resulting from "cyber-attacks", "hacking" or similar illegal or unauthorized intrusions into computer systems and networks. These risks include, among other things, the theft, misuse, corruption and destruction of data maintained online or digitally, denial of service attacks on websites and other operational disruption and unauthorized release of confidential customer information. Although we seek to limit our vulnerability to such risks through technological and other means and we rely on industry standard commercial technologies to maintain the security of our information systems, it is not possible to anticipate or prevent all potential forms of cyber-attack or to guarantee our ability to fully defend against all such attacks. In addition, due to the sensitive nature of much of the financial and similar personal information we maintain, we may be at particular risk for targeting.

Cyber-attacks affecting us, any third party administrator, the underlying funds, intermediaries and other affiliated or third-party service providers may adversely affect us and your account value. For instance, cyber-attacks may interfere with our processing of contract transactions, including the processing of orders from our website or with the underlying funds, impact our ability to calculate AUVs, cause the release and possible destruction of confidential customer or business information, impede order processing, subject us and/or our service providers and intermediaries to regulatory fines and financial losses and/or cause reputational damage. Cyber security risks may also affect the issuers of securities in which the underlying funds invest, which may cause the funds underlying your contract to lose value. There can be no assurance that we or the underlying funds or our service providers will avoid losses affecting your contract that result from cyber-attacks or information security breaches in the future.

IMPORTANT INFORMATION REGARDING THE INVESTMENT PORTFOLIOS

Investment Portfolios

List of Fund Name Changes

| New Fund Name | Former Fund Name |
|--|---------------------------------------|
| Voya Global Equity Portfolio | Voya Global Value Advantage Portfolio |
| Voya Government Money Market Portfolio | Voya Money Market Portfolio |

You bear the entire investment risk for amounts you allocate to any investment portfolio (“fund”), and you may lose your principal. The investment results of the funds are likely to differ significantly and there is no assurance that any of the funds will achieve their respective investment objectives. You should carefully consider the investment objectives, risks and charges and expenses of the funds before investing. More information is available in the fund prospectuses. Shares of the funds will rise and fall in value and you could lose money by investing in the funds. Shares of the funds are not bank deposits and are not guaranteed, endorsed or insured by any financial institution, the Federal Deposit Insurance Corporation or any other government agency.

The following table reflects the funds that are open and available for transfers under your Contract along with each fund’s investment adviser/subadviser and investment objective. Please refer to the fund prospectuses for more detailed information. Fund prospectuses may be obtained free of charge from Customer Service at P.O. Box 9271, Des Moines, Iowa 50306-9271 or call (800) 366-0066, or access the Securities and Exchange Commission (“SEC”) website (<http://www.sec.gov>), or by contacting the SEC Public Reference Room. If you received a summary prospectus for any of the funds available through your Contract, you may obtain a full prospectus and other fund information free of charge by either accessing the internet address, calling the telephone number or sending an email request to the email address shown on the front of the fund’s summary prospectus.

| Fund Name and Investment Adviser/Subadviser | Investment Objective |
|--|--|
| Janus Aspen Enterprise Portfolio (Institutional Class) Investment Adviser: Janus Capital Management LLC | Seeks long-term growth of capital. |
| Janus Aspen Flexible Bond Portfolio (Institutional Class) Investment Adviser: Janus Capital Management LLC | Seeks to obtain maximum total return, consistent with preservation of capital. |
| Voya Balanced Portfolio (Class I) Investment Adviser: Voya Investments, LLC Subadviser: Voya Investment Management Co. LLC | Seeks total return consisting of capital appreciation (both realized and unrealized) and current income; the secondary investment objective is long-term capital appreciation. |
| Voya Global Bond Portfolio (Class I) Investment Adviser: Directed Services LLC Subadviser: Voya Investment Management Co. LLC | Seeks to maximize total return through a combination of current income and capital appreciation. |
| Voya Global Equity Portfolio (Class S) Investment Adviser: Voya Investments, LLC Subadviser: Voya Investment Management Co. LLC | Seeks long-term capital growth and current income. |

| Fund Name and Investment Adviser/Subadviser | Investment Objective |
|--|---|
| Voya Government Money Market Portfolio* (Class I) Investment Adviser: Voya Investments, LLC Subadviser: Voya Investment Management Co. LLC | Seeks to provide high current return, consistent with preservation of capital and liquidity, through investment in high-quality money market instruments while maintaining a stable share price of \$1.00. |
| * There is no guarantee that the Voya Government Money Market Portfolio sub-account will have a positive or level return. | |
| Voya Growth and Income Portfolio (Class I) Investment Adviser: Voya Investments, LLC Subadviser: Voya Investment Management Co. LLC | Seeks to maximize total return through investments in a diversified portfolio of common stocks and securities convertible into common stocks. It is anticipated that capital appreciation and investment income will both be major factors in achieving total return. |
| Voya Intermediate Bond Portfolio (Class I) Investment Adviser: Voya Investments, LLC Subadviser: Voya Investment Management Co. LLC | Seeks to maximize total return consistent with reasonable risk. The Portfolio seeks its objective through investments in a diversified portfolio consisting primarily of debt securities. It is anticipated that capital appreciation and investment income will both be major factors in achieving total return. |
| Voya Large Cap Growth Portfolio (Class I) Investment Adviser: Directed Services LLC Subadviser: Voya Investment Management Co. LLC | Seeks long-term capital growth. |
| Voya MidCap Opportunities Portfolio (Class I) Investment Adviser: Voya Investments, LLC Subadviser: Voya Investment Management Co. LLC | Seeks long-term capital appreciation. |
| VY® T. Rowe Price Diversified Mid Cap Growth Portfolio (Class I) Investment Adviser: Directed Services LLC Subadviser: T. Rowe Price Associates, Inc. | Seeks long-term capital appreciation. |
| VY® Templeton Foreign Equity Portfolio (Class I) Investment Adviser: Directed Services LLC Subadviser: Templeton Investment Counsel, LLC | Seeks long-term capital growth. |