

A Supplemental Illustration Summary

MassMutual Whole Life 100 with Life Insurance Supplement Rider (LISR)

Prepared for:
Valued Client

Presented by:
Home Office
1295 State St.
Springfield, MA 01111

October 16, 2023

The decision to purchase life insurance should be based on long-term financial goals and the need for a death benefit. Life insurance is not an appropriate vehicle for short-term savings or short-term investment strategies. While the policy allows for loans, you should know that there may be little to no cash value available for loans in the policy's early years.

This supplemental life insurance illustration summary is not valid unless accompanied by or preceded by a MassMutual Whole Life 100 with Life Insurance Supplement Rider (LISR) Basic Illustration dated October 16, 2023. **Refer to the Basic Illustration for guaranteed elements and other important information.**

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Whole Life Insurance Summary

Whole life insurance is a tax-efficient asset that provides: Permanent lifetime coverage with guaranteed level premiums, cash value accumulation and the ability to leave a financial legacy.

Key features and benefits include:

- Guaranteed level premiums.
- Guaranteed, tax-deferred increases in cash value, regardless of market fluctuations or conditions.
- Guaranteed death benefit protection.
- Tax-advantaged access to cash values through partial surrenders or loans for any reason, such as to supplement retirement income.¹
- A death benefit that is generally received income tax-free.
- Potential to receive dividends. While dividends are not guaranteed, MassMutual has paid them to eligible participating policyowners every year since 1869
- Additional optional benefits and flexibility

The information in this report is based on the following Policy assumptions:

Policy Name: Whole Life 100

Gender/Issue Age: Female, Age 57

Underwriting Class: Non-Tobacco

Initial Dividend Option: LISR/Flex

Loan Interest Rate: 5.29% Adjustable

Initial Death Benefit: \$30,000,000.00

Total Initial Premium²: \$644,165.34

Riders Included:²

- Life Insurance Supplement Rider (LISR)

¹ Distributions under the policy (including cash dividends and partial/full surrenders) are not subject to taxation up to the amount paid into the policy (cost basis). If the policy is a Modified Endowment Contract, policy loans and/or distributions are taxable to the extent of gain and are subject to a 10% tax penalty if the policyowner is under age 59 1/2.

Access to cash values through borrowing or partial surrenders will reduce the policy's cash value and death benefit, increase the chance the policy will lapse, and may result in a tax liability if the policy terminates before the death of the insured.

² The initial annualized premium may include the cost of riders chosen. Refer to the Basic Illustration for specific charges. Riders are available at an additional cost, or there is a charge when the rider is exercised. Availability of some riders may be limited based on issue age or state of issue.

Illustration Summary

The following information is a general summary of the values of the whole life policy being illustrated and reflect non-guaranteed values. You should review the policy's Basic Illustration for greater detail about the product's guarantees, features, and values.

Year	Age End Year	Annual Net Outlay	Cumulative Net Outlay	Net Cash Value End Year	Net Annual Cash Value Increase	Net Death Benefit Beg Year
1	58	644,165	644,165	1,711	1,711	30,000,000
2	59	644,165	1,288,331	101,790	100,079	30,000,000
3	60	644,165	1,932,496	571,114	469,324	30,000,000
4	61	644,165	2,576,661	1,053,786	482,672	30,000,000
5	62	644,165	3,220,827	1,547,883	494,096	30,000,000
6	63	644,165	3,864,992	2,060,162	512,279	30,000,000
7	64	644,165	4,509,157	2,598,432	538,270	30,000,000
8	65	644,165	5,153,323	3,158,668	560,236	30,000,000
9	66	644,165	5,797,488	3,740,798	582,129	30,000,000
10	67	644,165	6,441,653	4,345,331	604,533	30,000,000
11	68	644,165	7,085,819	4,992,612	647,281	30,000,000
12	69	644,165	7,729,984	5,681,031	688,419	30,000,000
13	70	644,165	8,374,149	6,409,499	728,468	30,000,000
14	71	644,165	9,018,315	7,176,581	767,082	30,000,000
15	72	644,165	9,662,480	7,983,508	806,927	30,000,000
16	73	644,165	10,306,645	8,803,222	819,715	30,000,000
17	74	644,165	10,950,811	9,631,203	827,980	30,000,000
18	75	644,165	11,594,976	10,467,226	836,023	30,000,000
19	76	644,165	12,239,141	11,312,543	845,317	30,000,000
20	77	644,165	12,883,307	12,163,254	850,711	30,000,000
21	78	644,165	13,527,472	12,994,784	831,531	30,000,000
22	79	644,165	14,171,637	13,833,510	838,726	30,000,000
23	80	644,165	14,815,803	14,675,500	841,990	30,000,000
24	81	644,165	15,459,968	15,515,245	839,745	30,000,000
25	82	644,165	16,104,134	16,354,861	839,616	30,000,000

This illustration reflects the dividend option of LISR/Flex. These illustrated amounts are not guaranteed. They reflect a hypothetical lower dividend which is 1.25% below what is currently being used in the 2023 dividend schedule and are neither estimates nor guarantees. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience.

This illustration is not valid unless accompanied or preceded by a Massachusetts Mutual Life Insurance Company Whole Life 100 Basic Life Insurance Illustration dated 10/16/2023. Refer to the Basic Illustration for guaranteed elements, assumptions, explanations and other important information.

Illustration Summary

Year	Age End Year	Annual Net Outlay	Cumulative Net Outlay	Net Cash Value End Year	Net Annual Cash Value Increase	Net Death Benefit Beg Year
26	83	644,165	16,748,299	17,200,269	845,407	30,000,000
27	84	644,165	17,392,464	18,056,323	856,054	30,000,000
28	85	644,165	18,036,630	18,920,543	864,220	30,000,000
29	86	644,165	18,680,795	19,773,243	852,700	30,000,000
30	87	644,165	19,324,960	20,635,345	862,102	30,000,000
31	88	644,165	19,969,126	21,503,934	868,589	30,000,000
32	89	644,165	20,613,291	22,393,124	889,190	30,000,000
33	90	644,165	21,257,456	23,316,944	923,820	30,000,000
34	91	644,165	21,901,622	24,297,871	980,928	30,000,000
35	92	626,000	22,527,622	25,301,200	1,003,328	30,316,143
36	93	626,000	23,153,622	26,315,169	1,013,970	30,931,224
37	94	626,000	23,779,622	27,345,749	1,030,580	31,549,683
38	95	626,000	24,405,622	28,409,425	1,063,676	32,167,948
39	96	626,000	25,031,622	29,523,293	1,113,868	32,778,270
40	97	626,000	25,657,622	30,701,300	1,178,007	33,372,824
41	98	626,000	26,283,622	31,955,639	1,254,339	33,941,482
42	99	626,000	26,909,622	33,409,060	1,453,421	34,434,732
43	100	626,000	27,535,622	35,219,631	1,810,571	34,872,140
44	101	0	27,535,622	36,622,175	1,402,544	35,219,631
45	102	0	27,535,622	38,083,205	1,461,030	36,622,175
46	103	0	27,535,622	39,605,159	1,521,955	38,083,205
47	104	0	27,535,622	41,190,579	1,585,420	39,605,159
48	105	0	27,535,622	42,842,111	1,651,532	41,190,579
49	106	0	27,535,622	44,562,513	1,720,401	42,842,111
50	107	0	27,535,622	46,354,654	1,792,142	44,562,513
51	108	0	27,535,622	48,221,528	1,866,874	46,354,654
52	109	0	27,535,622	50,166,251	1,944,723	48,221,528
53	110	0	27,535,622	52,192,069	2,025,818	50,166,251
54	111	0	27,535,622	54,302,363	2,110,294	52,192,069
55	112	0	27,535,622	56,500,657	2,198,294	54,302,363

This illustration reflects the dividend option of LISR/Flex. These illustrated amounts are not guaranteed. They reflect a hypothetical lower dividend which is 1.25% below what is currently being used in the 2023 dividend schedule and are neither estimates nor guarantees. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience.

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Illustration Summary

Year	Age End Year	Annual Net Outlay	Cumulative Net Outlay	Net Cash Value End Year	Net Annual Cash Value Increase	Net Death Benefit Beg Year
56	113	0	27,535,622	58,790,619	2,289,962	56,500,657
57	114	0	27,535,622	61,176,073	2,385,454	58,790,619
58	115	0	27,535,622	63,661,000	2,484,927	61,176,073
59	116	0	27,535,622	66,249,549	2,588,549	63,661,000
60	117	0	27,535,622	68,946,040	2,696,491	66,249,549
61	118	0	27,535,622	71,754,975	2,808,935	68,946,040
62	119	0	27,535,622	74,681,042	2,926,067	71,754,975
63	120	0	27,535,622	77,729,127	3,048,084	74,681,042
64	121	0	27,535,622	80,904,316	3,175,190	77,729,127

This illustration reflects the dividend option of LISR/Flex. These illustrated amounts are not guaranteed. They reflect a hypothetical lower dividend which is 1.25% below what is currently being used in the 2023 dividend schedule and are neither estimates nor guarantees. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience.

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[Learn more at www.massmutual.com](http://www.massmutual.com)



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The products and/or certain features may not be available in all states. State variations will apply.

Whole Life Legacy Series policies (Policy Forms: MMWL-2018 and ICC18-MMWL in certain states, including North Carolina), and MassMutual Whole Life series policies on the Coverpath platform (Policy Forms: WL-2018 and ICC18WL in certain states, including North Carolina) are level-premium, participating, permanent life insurance policies issued by Massachusetts Mutual Life Insurance Company (MassMutual), Springfield, MA 01111-0001.

CRN283906

New Business Report

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Client Information

Gender	Female	Part I
Insurance Age	57	Part I
Tobacco Status	Non-Tobacco	NA
State	NV	Part I
Table Ratings	None	NA
Temp Flat Extra	None	NA
Permanent Flat Extra	None	NA

Where to Enter Information on Application

Policy Information

Annual Premium	626,000.00	Part I
Total Face Amount	30,000,000.00	NA
Target Face Amount	10,500,000.00	Part I
Base Policy Face Amount	19,500,000.00	Part I
Premium Paying Mode	Annual	Part I
Base Premium Paying Period	43 Year(s)	NA
Total 1035X Premium	0.00	Part I
1035X Base Premium	0.00	NA
1035X Unscheduled ALIR Premium	0.00	Part I
1035X Unscheduled LISR Premium	0.00	Part I
1035X Proceeds Received After Issue	None	NA

LISR Information

LISR Annual Scheduled Premium	18,165.34	Part I
LISR Unscheduled Lump Sum	0.00	Part I

ALIR Information

ALIR Annual Scheduled Premium	0.00	Part I
ALIR Unscheduled Lump Sum	0.00	Part I
Planned ALIR Payment	0.00	Part I

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Whole Life 100 with Life Insurance Supplement Rider (LISR) Revised Basic Life Insurance Illustration

Prepared for:

Valued Client
Female, Age 57

Presented by:

Home Office
1295 State St.
Springfield, MA 01111

October 16, 2023

CRN: 284138

Narrative Summary

Whole Life 100 with LISR is a permanent life insurance policy providing a guaranteed face amount with a life insurance supplement rider. Premiums are payable to Age 100. This illustration is neither a projection nor estimate of future benefits and assumes that the currently illustrated non-guaranteed elements will continue unchanged for all years shown. This is not likely to occur. Actual results may be more or less favorable than those shown.

This illustration was produced using a hypothetical lower dividend schedule.

Client Information

Prepared for
Underwriting Class

Valued Client, Female, Age 57
Non-Tobacco

All coverages, premiums, riders and underwriting classes are subject to Home Office approval.

You may be required to provide medical information, and an exam may be necessary.

Policy Information

Issuing Company	Massachusetts Mutual Life Insurance Company
Policy	Whole Life 100 with Premiums Payable to Age 100
Generic Policy Name	Whole Life Policy
Policy Form Number	ICC18-MMWL
MEC Status	No
Initial Base Dividend Option	LISR/Flex

Initial Premium Information

Premium Payment Mode	Annual
Base Premium	\$626,000.00
LISR Premium First Year	\$18,165.34
Accelerated Death Benefit for Terminal Illness Rider (No Premium Charge)	
Transfer of Insured Rider (No Premium Charge)	
Total Initial Premium	\$644,165.34

Initial Coverage Information

Base Policy Face Amount	\$19,500,000.00
LISR Target Face Amount (TFA)	\$10,500,000.00
Total Initial Death Benefit	\$30,000,000.00

Dividends are not guaranteed and are subject to significant fluctuations over the lifetime of the policy. Changes in dividends will change all Non-Guaranteed values shown in this illustration.

What is Whole Life 100: Whole Life 100 is a permanent life insurance policy providing a guaranteed face amount. Premiums are payable to Age 100. The duration of premiums for riders varies according to the terms of the rider. The policy provides for cash value accumulation and for the payment of dividends as may be determined by the company.

What is LISR? LISR is a rider that combines one-year term insurance and paid-up additional insurance that provides coverage in addition to the amount of the basic policy. The rider death benefit is level, referred to as the Target Face Amount (TFA), and is selected by the policyowner at the time of application. The TFA is term and paid-up additional insurance. Every year, rider premiums, less a premium expense charge and any applicable modal charges, and policy dividends, are used to purchase one-year term insurance, paid-up insurance additions or a combination of both to equal the TFA. The mix of term insurance and paid-up additions in the TFA changes each year.

Narrative Summary

It is anticipated, but not guaranteed, that over time the amount of term insurance will decrease and the amount of paid-up additions will increase - until the crossover year. The crossover year is the point in time when the paid-up additional insurance death benefit is equal to the TFA and the purchase of one-year term is no longer necessary. Based on the illustrated dividend schedule, the crossover for this policy occurs in policy year 35 based on assumptions in the Tabular Values. In the event of a dividend decrease, the initial level of death benefit coverage may not be able to be maintained even if all illustrated cash premium payments are made. Future additional premium payments may be required in order to maintain the initial level death benefit.

The premium expense charge is guaranteed not to exceed 12% of any rider premium paid in future years, and is currently equal to 10% of any rider premium. The term charge rate schedule for the one-year term insurance coverage is not guaranteed.

If you were to change your dividend option from LISR/Flex, no additional premiums may be paid for this rider and the Target Face Amount of this rider will be reduced because no more one-year term can be purchased.

IMPORTANT INFORMATION REGARDING CONTRACT PREMIUM AND CONTRACT PREMIUM FOR GTD VALUES: In the Numeric Summary/Signature page and Tabular Values report which will follow this Narrative Summary, the Contract Premium column includes LISR premium payable during the LISR payment period. The Contract Prem for Gtd Values column includes this same LISR premium if the TFA remains in effect under guaranteed assumptions. Under these guaranteed assumptions, the illustrated LISR premium may purchase less death benefit each year than that shown based upon non-guaranteed values. LISR will terminate when the death benefit falls below the \$50,000 minimum.

If LISR terminates, no further LISR premium payments may be made. Alternatively, in order to maintain the TFA under guaranteed assumptions, you would have to pay an increasing LISR premium each year until age 100, at which time LISR will terminate and no LISR death benefit will thereafter be payable.

Important reminder - Once issued, if you want to change the LISR premium, this will not happen automatically. A Request for Amendment of Contract (form F5264) must be completed during the 90 day window beginning 60 days prior to the policy anniversary.

LISR premium payments can continue after crossover. They can be made until the anniversary nearest the insured's 90th birthday.

Please refer to the LISR Information page for additional details and limitations.

What This Illustration Shows: This illustration describes the important features of this MassMutual Whole Life 100 life insurance policy with LISR. The following pages provide a summary (and year-by-year figures) for required premiums, cash surrender values, death benefits, anticipated out-of-pocket premium payments and other values for this policy on a guaranteed and non-guaranteed basis. It is designed to help you understand how this policy works. It is not a projection of how it will perform. **Many of the values contained in this illustration depend on non-guaranteed dividends.**

Your illustration may show policy changes, such as face amount decreases, dividend option changes, the Alternate Payment Option (APO) strategy, loans, partial surrenders or changes to certain rider premiums. Policy changes are not automatic. You must submit a request to our Home Office.

IMPORTANT INFORMATION ABOUT DIVIDENDS Whole Life 100 is a participating policy and is eligible to receive dividends, which are not guaranteed. The non-guaranteed values reflect a hypothetical lower dividend which is 1.25% below what is currently being used in the company's 2023 dividend schedule. This illustration assumes a policy with an adjustable policy loan interest rate provision. Dividends are a reflection of the company's mortality experience (death claims), investment earnings and expenses, and will change over time. **This illustration is neither a projection nor estimate of future benefits and assumes that the currently illustrated non-guaranteed elements will continue unchanged for all years shown. This is not likely to occur. Actual results may be more or less favorable than those shown. For this reason, we strongly recommend reviewing an illustration showing a lower dividend schedule to see the impact this would have on policy values. Transfer of policy ownership to a qualified pension or profit sharing plan could result in different dividends.**

This special illustration is based on dividends that are lower than those currently being paid. It approximates what the results might be if the investment component of the dividend reflected a return on investments 1.25% below that being used in the 2023 dividend schedule.

Narrative Summary

This illustration assumes that the dividend option is LISR/Flex for all years shown. Under this option, dividends if any, together with your LISR payments and the surrender, as necessary, of paid-up additions are used to pay for the LISR amount of one-year term insurance. If the dividends together with your LISR payments and the surrendered value of paid-up additions are insufficient to pay for the cost of the one-year term insurance, you will be billed for the difference. Failure to pay the difference will result in the TFA being reduced so that the LISR is reduced paid in full. When LISR becomes reduced paid in full no additional premiums may be paid for the rider. Prior to the crossover age any part of the dividend which is not used to purchase one-year term insurance under the LISR will be used to purchase paid-up additions.

Additional Coverage Provided by Rider(s)

Accelerated Death Benefit for Terminal Illness Rider (ABR): The Accelerated Death Benefit for Terminal Illness Rider allows the policyowner to receive an advance of a portion of the available policy death benefit when we receive proof that the insured has a terminal illness expected to result in death within the period set forth in the rider. No further receipts/evidence are necessary. The funds may be used for any purpose. This rider terminates upon acceleration. There is no charge for this rider unless it is exercised.

Transfer of Insured Rider (TIR): The Transfer of Insured Rider provides the policyowner with the right to transfer or exchange a new insured in place of the current insured under the policy, provided an insurable interest exists between the owner and the substitute insured, the new insured is not older than age 75 and evidence of insurability is provided. There is no annual premium for this rider however there is a cost due if the rider is exercised.

IMPORTANT TAX INFORMATION

Based on the assumptions in this illustration, the following Modified Endowment Contract (MEC) determinations were made:

- **This policy is not a MEC**

Changes to the assumptions as illustrated could cause the policy to become a MEC or change the year that the policy is illustrated to become a MEC under the Internal Revenue Code.

A Modified Endowment Contract (MEC) distinguishes between a policy purchased primarily for death protection and a policy purchased primarily for the tax advantages afforded to life insurance cash values. Once a policy is classified as a MEC, it receives less advantageous federal income tax treatment (see below). To determine if a contract is a MEC, a premium limit (the MEC limit) is established for the maximum amount of premium allowed during the first seven years, based upon rules set by the Internal Revenue Code. Under the MEC test, a MEC results if the cumulative amount paid at any time in the first seven years exceeds the cumulative MEC limit applicable in that policy year. Certain changes to the policy can subject the policy to MEC testing beyond the first seven years or can cause premiums already paid to be re-tested.

Surrenders and distributions are subject to income tax to the extent they exceed the policy's cost basis. If the policy is a MEC, distributions and loans are taxable to the extent of gain and may be subject to a 10% tax penalty.

Death benefit proceeds from this policy are generally excludable from the beneficiary's gross income for income tax purposes (IRC Section 101(a)(1)). Policy loans on non-MEC policies are not treated as distributions or subject to income tax when taken (IRC Section 72). However, if the policy is not held until death, taxes are generally due on surrender or lapse and may in fact exceed the policy's Net Surrender Value if prior loans and surrenders were extensive.

The information provided above is not written or intended as specific tax advice. MassMutual, its subsidiaries, employees and representatives are not authorized to give tax or legal advice. Individuals are strongly encouraged to seek advice from their own personal tax or legal counsel.

IMPORTANT INFORMATION ABOUT POLICY LOANS

This illustration, using a 5.29% policy loan interest rate, is for a policy issued in Nevada on October 16, 2023. This rate may change on each policy anniversary date. This illustration assumes no policy loans.

Narrative Summary

Interest Adjusted Cost (IAC) Comparison Index

	Policy Year	
	10	20
Life Insurance Surrender Cost Index	\$14.44	\$11.86
Life Insurance Net Payment Cost Index	\$28.64	\$24.78

The Interest Adjusted Cost Comparison Indices provide two means of comparing the relative cost of similar plans of insurance issued by the same company or by different companies. A low index number represents a lower cost than a higher one. These indices reflect the time value of money by applying a 5% interest factor to policy premiums, dividends, and for the surrender cost index, the 10 and 20 year cash values. The dividends used in calculating these indices are based on the illustrated dividend schedule and are neither guarantees nor estimates of future dividends.

The indices do not consider: (1) the value of the services of an agent or company; (2) the relative strength and reputation of the company and its actual dividend performance; or (3) differences in the policy provisions.

This illustration does not recognize the time value of money and should not be used to compare policy costs.

Additional Information About This Illustration

The fully allocated expense method is used to allocate overhead expenses for all illustrations.

Key Terms Used in the Illustration

Attained Age: Issue age plus policy duration years.

Beg Year: The first day of the policy year.

Completion Premium: The Completion Premium is the smallest level LISR premium, at the frequency elected, that is needed every year, based upon the current dividend schedule and current one-year term charge rates for LISR, that would result in LISR becoming paid in full on the policy anniversary date nearest the insured's attained age 100.

Death Benefit: The amount payable upon death of the insured.

End Year: The last day of the policy year. Dividends are assumed to be credited on this date. All cash values are shown as of the end of the policy year.

Midpoint Assumptions: Values are calculated assuming that the dividends are reduced by 50% and any policy charges included are an average between the guaranteed and non-guaranteed charges.

Column Heading Definitions

Age End Year: The age of the insured at the end of the policy year.

Amount of One Year Term Beg Year: The annual amount of term insurance purchased under the LISR.

Annual Dividend Beg Year: The total amount of annual dividend payable. These values are based on the illustrated dividend schedule and are not guaranteed.

Cash Value of Additions End Year: The total cash value as of the end of the policy year of the paid-up additions purchased by the LISR payments, and dividends earned on the LISR payments, and the base policy. These values are based on the illustrated dividend schedule and are not guaranteed.

Contract Premium: The premium that is required to be paid each policy year for the benefits shown in this illustration. It is assumed premiums are paid when due at the beginning of each modal period.

Contract Prem for Gtd Values: The premium that is required to be paid each policy year for the guaranteed values and benefits shown in this illustration assuming the guaranteed maximum rider premiums. It is assumed premiums are paid when due at the beginning of each modal period.

Cumulative Net Outlay: The total of Contract Premium adjusted for any dividends, paid-up additions surrendered, cash value released, loans taken or repaid or taxes due at the beginning of the year.

Narrative Summary

Guaranteed Cash Value End Year: The cash value which is guaranteed under this policy based upon the illustrated Contract Premium for Guaranteed Values as of the end of the policy year. This amount includes the base guaranteed cash value and any guaranteed cash value associated with payments made under the LISR. Surrender of LISR values (i.e. LISR paid-up additions) to pay premiums or for any other reason other than to pay LISR term charges will reduce the guaranteed cash value.

Guaranteed Death Benefit Beg Year: The amount of death benefit which is guaranteed to be payable for this policy at death based upon the illustrated Contract Premium for Guaranteed Values as of the beginning of the policy year. This amount includes any guaranteed values associated with payments made under the LISR. Surrender of LISR values to pay premiums or for any other reason other than to pay term charges will reduce the guaranteed death benefit.

Net Annual Cash Value Increase: The amount of increase in the Total Cash Value from the prior year.

Paid-Up Additions Beg Year: The additional paid-up insurance death benefit at the beginning of the year purchased by the LISR payments, and dividends earned on the LISR payments and the base policy. These values are based on the illustrated dividend schedule and are not guaranteed.

Total Cash Value End Year: The total cash value as of the end of the policy year including all guaranteed and non-guaranteed values. These values are based on the illustrated dividend schedule and are not guaranteed.

Total Death Benefit Beg Year: This is the amount which would be payable if death occurred at the beginning of the policy year. These values are based on the illustrated dividend schedule and are not guaranteed.

Year: The number of years the policy is assumed to have been in force at the end of the policy year.

Premium Payment Options: Changing the premium payment mode may increase the overall cost of the policy. You may pay premiums once a year (annually), twice a year (semi-annually), four times a year (quarterly) or twelve times a year (monthly). You may pay premiums twelve times a year (monthly) only by pre-authorized electronic transfer. If you pay annual premiums by installments, there will be an additional charge. The additional charge is shown in dollars and as annual percentage rates in the table below.

Premium Frequency	Premium Payment (Including Installment Payment Charge)	Number of Payments Per Year	Total Premium Per Year	Additional Charge (In Dollars)	Additional Charge (As the Annual Percentage Rate or APR)
Annual	\$644,165.34	1	\$644,165.34	\$0.00	-
Semi-Annual	\$329,619.42	2	\$659,238.84	\$15,073.50	9.6%
Quarterly	\$166,774.42	4	\$667,097.68	\$22,932.34	9.5%
Monthly	\$56,042.39	12	\$672,508.68	\$28,343.34	9.5%

Consider Additional Coverage: In some cases, the cost per unit of the Whole Life 100 policy may be lower with a higher Base Policy Face Amount. You should consult with your agent about whether applying for more coverage is appropriate. Additional underwriting requirements may apply to larger face amounts, and premiums may be higher.

Numeric Summary and Signature Page

Dividends are not guaranteed and are subject to significant fluctuations over the lifetime of the policy. Changes in dividends will change all Non-Guaranteed values shown in this illustration.

To help you understand how changes in non-guaranteed dividends may affect your future policy values, this Numeric Summary and Signature Page shows how your policy would perform based on each of the following dividend scenarios:

- 1) Guaranteed: The guaranteed policy values, i.e., zero dividends.
- 2) Non-Guaranteed Midpoint: 50% of the company's currently illustrated dividend.
- 3) Non-Guaranteed Current: The company's currently illustrated dividend.

	Contract Prem for Gtd Values	Guaranteed Values		Non-Guaranteed Values			Lower Schedule Assumptions		
		Total Cash Value	Death Benefit	Contract Premium	Total Cash Value	Death Benefit	Contract Premium	Total Cash Value	Death Benefit
Year 5	644,165	1,331,850	25,509,586	644,165	1,426,282	29,893,180	644,165	1,547,883	30,000,000
Year 10	644,165	3,657,615	21,226,296	644,165	3,803,858	29,893,180	644,165	4,345,331	30,000,000
Year 20	644,165	8,743,800	20,088,351	644,165	9,075,239	29,893,180	644,165	12,163,254	30,000,000
Age 70	644,165	5,132,595	20,810,287	644,165	5,380,530	29,893,180	644,165	6,409,499	30,000,000

I have received a copy of this illustration and understand that any non-guaranteed elements illustrated are subject to significant fluctuations and could be either higher or lower. The agent has told me they are not guaranteed. I understand that this illustration is not a contract. I also understand that any policy changes reflected in this illustration are not automatic, but must be submitted in writing to the Home Office. The terms of the policy constitute the actual agreement of coverage. I further understand I have the right to request an additional hypothetical lower schedule illustration reduced by a different rate to see the potential impact of a lower dividend interest rate on my policy values. I have read and understand the IMPORTANT TAX INFORMATION section in the Narrative Summary.

Owner

Date

I certify that this illustration has been presented to the applicant and that I have explained that any non-guaranteed elements illustrated are subject to change. I have made no statements that are inconsistent with this illustration.

Agent

Date

Coverage	Face Amount	Current Premiums			
		Annually	Semi-Annually	Quarterly	Monthly
Base Policy Insurance	19,500,000	626,000.00	320,324.21	162,071.41	54,462.00
LISR (Year 1)	10,500,000	18,165.34	9,295.21	4,703.01	1,580.39
Total Initial Modal Premium		644,165.34	329,619.42	166,774.42	56,042.39
Total Initial Modal Premium (Annualized)		644,165.34	659,238.84	667,097.68	672,508.68

Tabular Values

Non-Guaranteed Lower Schedule Values*											
Year	Age End Year	Contract Prem for Gtd Values	Guaranteed Cash Value End Year	Guaranteed Death Benefit Beg Year	Non-Guaranteed Lower Schedule Values*						
					Contract Premium	Annual Dividend Beg Year	Cash Value of Additions End Year	Total Cash Value End Year	Paid-Up Additions Beg Year	Amount of One Year Term Beg Year	Total Death Benefit Beg Year
1	58	644,165	1,707	30,000,000	644,165	0	1,711	1,711	4,299	10,495,701	30,000,000
2	59	644,165	52,455	29,786,355	644,165	4	49,335	101,790	0	10,500,000	30,000,000
3	60	644,165	470,340	27,222,464	644,165	49,335	100,774	571,114	107,876	10,392,124	30,000,000
4	61	644,165	897,000	26,360,730	644,165	55,233	156,786	1,053,786	220,703	10,279,297	30,000,000
5	62	644,165	1,331,850	25,509,586	644,165	60,756	216,033	1,547,883	335,773	10,164,227	30,000,000
6	63	644,165	1,778,010	22,017,402	644,165	65,499	282,152	2,060,162	449,063	10,050,937	30,000,000
7	64	644,165	2,237,430	21,790,186	644,165	74,792	361,002	2,598,432	569,233	9,930,767	30,000,000
8	65	644,165	2,704,260	21,581,445	644,165	90,372	454,408	3,158,668	709,894	9,790,106	30,000,000
9	66	644,165	3,177,720	21,391,775	644,165	107,057	563,078	3,740,798	870,989	9,629,011	30,000,000
10	67	644,165	3,657,615	21,226,296	644,165	124,648	687,716	4,345,331	1,050,853	9,449,147	30,000,000
11	68	644,165	4,143,750	21,076,479	644,165	143,784	848,862	4,992,612	1,250,503	9,249,497	30,000,000
12	69	644,165	4,635,345	20,940,135	644,165	183,557	1,045,686	5,681,031	1,506,907	8,993,093	30,000,000
13	70	644,165	5,132,595	20,810,287	644,165	222,026	1,276,904	6,409,499	1,814,304	8,685,696	30,000,000
14	71	644,165	5,634,525	20,687,630	644,165	258,535	1,542,056	7,176,581	2,166,249	8,333,751	30,000,000
15	72	644,165	6,141,525	20,568,549	644,165	294,015	1,841,983	7,983,508	2,559,128	7,940,872	30,000,000
16	73	644,165	6,653,595	20,454,928	644,165	329,282	2,149,627	8,803,222	2,990,772	7,509,228	30,000,000
17	74	644,165	7,170,540	20,349,841	644,165	336,681	2,460,663	9,631,203	3,413,225	7,086,775	30,000,000
18	75	644,165	7,691,580	20,253,678	644,165	339,753	2,775,646	10,467,226	3,821,323	6,678,677	30,000,000
19	76	644,165	8,216,325	20,166,063	644,165	342,724	3,096,218	11,312,543	4,218,775	6,281,225	30,000,000
20	77	644,165	8,743,800	20,088,351	644,165	345,492	3,419,453	12,163,254	4,601,949	5,898,051	30,000,000
21	78	644,165	9,241,245	20,018,001	644,165	348,067	3,753,539	12,994,784	4,965,615	5,534,385	30,000,000
22	79	644,165	9,737,715	19,954,780	644,165	363,067	4,095,795	13,833,510	5,328,069	5,171,931	30,000,000
23	80	644,165	10,232,235	19,897,057	644,165	376,057	4,443,265	14,675,500	5,684,885	4,815,115	30,000,000
24	81	644,165	10,723,635	19,843,996	644,165	387,498	4,791,610	15,515,245	6,032,334	4,467,666	30,000,000
25	82	644,165	11,208,015	19,798,015	644,165	396,271	5,146,847	16,354,861	6,373,151	4,126,849	30,000,000
26	83	644,165	11,683,815	19,763,266	644,165	407,708	5,516,454	17,200,269	6,717,088	3,782,912	30,000,000
27	84	644,165	12,149,865	19,733,535	644,165	422,752	5,906,458	18,056,323	7,072,150	3,427,850	30,000,000
28	85	644,165	12,603,435	19,705,654	644,165	441,596	6,317,108	18,920,543	7,445,304	3,054,696	30,000,000
29	86	644,165	13,042,380	19,673,812	644,165	459,515	6,730,863	19,773,243	7,830,002	2,669,998	30,000,000
30	87	644,165	13,463,775	19,652,825	644,165	464,355	7,171,570	20,635,345	8,223,632	2,276,368	30,000,000

***This illustration reflects the dividend option of LISR/Flex. These illustrated amounts are not guaranteed. They reflect a hypothetical lower dividend which is 1.25% below what is currently being used in the 2023 dividend schedule and are neither estimates nor guarantees. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience.**

Refer to the Narrative Summary for assumptions, explanations and additional information.

Prepared for: Valued Client (Female, 57, Non-Tobacco)
 Presented by: Home Office
 Prepared on: October 16, 2023

MEC Limit: \$1,860,198.83
 Version: MMD Web2023-10-01(NV)

Tabular Values

Year	Age End Year	Contract Prem for Gtd Values	Guaranteed Cash Value End Year	Guaranteed Death Benefit Beg Year	Non-Guaranteed Lower Schedule Values*						
					Contract Premium	Annual Dividend Beg Year	Cash Value of Additions End Year	Total Cash Value End Year	Paid-Up Additions Beg Year	Amount of One Year Term Beg Year	Total Death Benefit Beg Year
31	88	644,165	13,868,985	19,634,626	644,165	482,796	7,634,949	21,503,934	8,651,881	1,848,119	30,000,000
32	89	644,165	14,257,815	19,618,122	644,165	489,447	8,135,309	22,393,124	9,109,874	1,390,126	30,000,000
33	90	644,165	14,630,850	19,603,957	644,165	502,055	8,686,094	23,316,944	9,620,548	879,452	30,000,000
34	91	644,165	14,990,040	19,591,871	644,165	514,016	9,307,831	24,297,871	10,205,049	294,951	30,000,000
35	92	626,000	15,340,260	19,500,000	626,000	525,877	9,960,940	25,301,200	10,816,143	0	30,316,143
36	93	626,000	15,686,385	19,500,000	626,000	535,970	10,628,784	26,315,169	11,431,224	0	30,931,224
37	94	626,000	16,035,045	19,500,000	626,000	545,531	11,310,704	27,345,749	12,049,683	0	31,549,683
38	95	626,000	16,402,815	19,500,000	626,000	552,024	12,006,610	28,409,425	12,667,948	0	32,167,948
39	96	626,000	16,806,075	19,500,000	626,000	551,872	12,717,218	29,523,293	13,278,270	0	32,778,270
40	97	626,000	17,260,035	19,500,000	626,000	545,028	13,441,265	30,701,300	13,872,824	0	33,372,824
41	98	626,000	17,804,085	19,500,000	626,000	529,273	14,151,554	31,955,639	14,441,482	0	33,941,482
42	99	626,000	18,508,230	19,500,000	626,000	467,384	14,900,830	33,409,060	14,934,732	0	34,434,732
43	100	626,000	19,500,000	19,500,000	626,000	423,998	15,719,631	35,219,631	15,372,140	0	34,872,140
44	101	0	19,500,000	19,500,000	0	347,491	17,122,175	36,622,175	15,719,631	0	35,219,631
45	102	0	19,500,000	19,500,000	0	1,402,544	18,583,205	38,083,205	17,122,175	0	36,622,175
46	103	0	19,500,000	19,500,000	0	1,461,030	20,105,159	39,605,159	18,583,205	0	38,083,205
47	104	0	19,500,000	19,500,000	0	1,521,955	21,690,579	41,190,579	20,105,159	0	39,605,159
48	105	0	19,500,000	19,500,000	0	1,585,420	23,342,111	42,842,111	21,690,579	0	41,190,579
49	106	0	19,500,000	19,500,000	0	1,651,532	25,062,513	44,562,513	23,342,111	0	42,842,111
50	107	0	19,500,000	19,500,000	0	1,720,401	26,854,654	46,354,654	25,062,513	0	44,562,513
51	108	0	19,500,000	19,500,000	0	1,792,142	28,721,528	48,221,528	26,854,654	0	46,354,654
52	109	0	19,500,000	19,500,000	0	1,866,874	30,666,251	50,166,251	28,721,528	0	48,221,528
53	110	0	19,500,000	19,500,000	0	1,944,723	32,692,069	52,192,069	30,666,251	0	50,166,251
54	111	0	19,500,000	19,500,000	0	2,025,818	34,802,363	54,302,363	32,692,069	0	52,192,069
55	112	0	19,500,000	19,500,000	0	2,110,294	37,000,657	56,500,657	34,802,363	0	54,302,363
56	113	0	19,500,000	19,500,000	0	2,198,294	39,290,619	58,790,619	37,000,657	0	56,500,657
57	114	0	19,500,000	19,500,000	0	2,289,962	41,676,073	61,176,073	39,290,619	0	58,790,619
58	115	0	19,500,000	19,500,000	0	2,385,454	44,161,000	63,661,000	41,676,073	0	61,176,073
59	116	0	19,500,000	19,500,000	0	2,484,927	46,749,549	66,249,549	44,161,000	0	63,661,000
60	117	0	19,500,000	19,500,000	0	2,588,549	49,446,040	68,946,040	46,749,549	0	66,249,549
61	118	0	19,500,000	19,500,000	0	2,696,491	52,254,975	71,754,975	49,446,040	0	68,946,040
62	119	0	19,500,000	19,500,000	0	2,808,935	55,181,042	74,681,042	52,254,975	0	71,754,975
63	120	0	19,500,000	19,500,000	0	2,926,067	58,229,127	77,729,127	55,181,042	0	74,681,042
64	121	0	19,500,000	19,500,000	0	3,048,084	61,404,316	80,904,316	58,229,127	0	77,729,127

***This illustration reflects the dividend option of LISR/Flex. These illustrated amounts are not guaranteed. They reflect a hypothetical lower dividend which is 1.25% below what is currently being used in the 2023 dividend schedule and are neither estimates nor guarantees. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience.**

Refer to the Narrative Summary for assumptions, explanations and additional information.

Prepared for: Valued Client (Female, 57, Non-Tobacco)
Presented by: Home Office
Prepared on: October 16, 2023

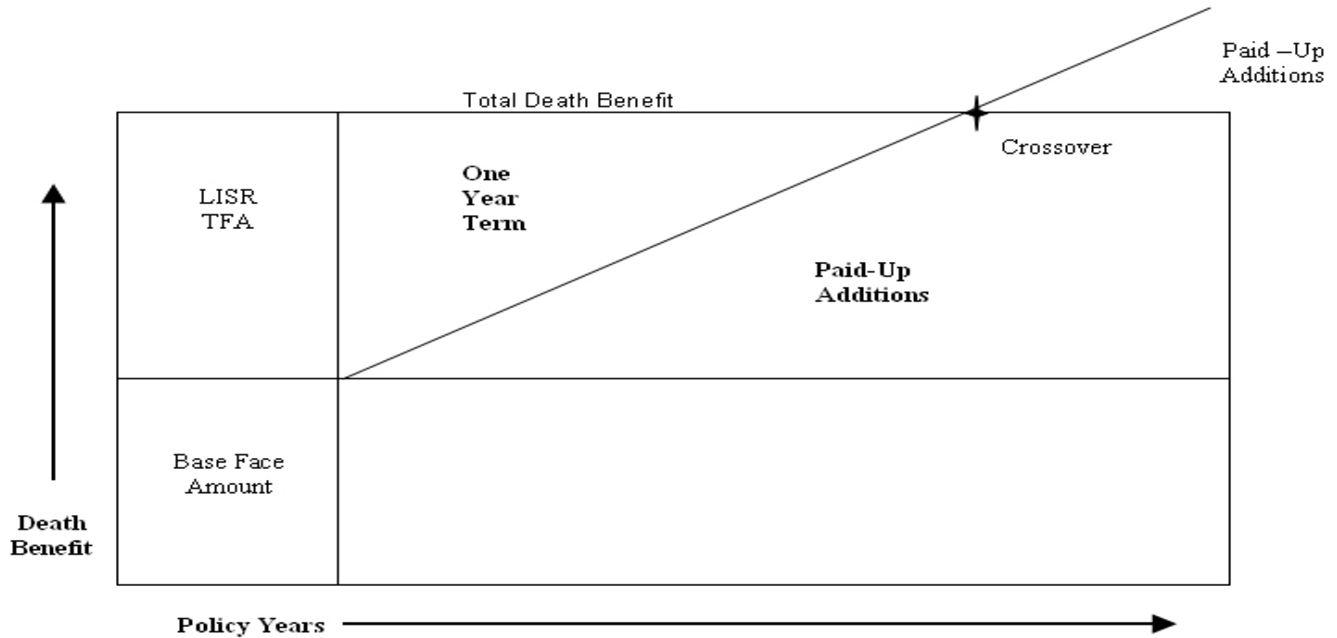
MEC Limit: \$1,860,198.83
Version: MMD Web2023-10-01(NV)

LISR Information

The Life Insurance Supplement Rider (LISR), used in combination with MassMutual's Whole Life 100 policy, provides additional insurance coverage and flexibility and requires the LISR/Flex dividend option.

Protection and Flexibility: By attaching LISR to MassMutual's Whole Life 100 policy, the premium can be adjusted by varying the mix of Whole Life 100 coverage and LISR coverage (Target Face Amount). The Target Face Amount (TFA) provides a level death benefit comprised of one-year term insurance and paid-up additional life insurance (paid-up additions).

See the chart below for the graphic illustration of Whole Life 100 with LISR.



LISR Mechanics: LISR rider premiums, less a premium expense charge (guaranteed to not exceed 12% of any rider premium paid in future years and currently equal to 10% of any rider premium) and any applicable modal charges, and policy dividends are used to purchase one-year term life insurance coverage, paid-up insurance additions or a combination of both to equal the TFA. The amount of term insurance provided by LISR is determined annually, and the cost of term coverage is paid at the beginning of each policy year through the LISR rider premiums, policy dividends and, if necessary, the surrender of paid-up additions. As the amount of paid-up additions increases (as dividends are credited and LISR rider premiums are made), the term portion of the TFA decreases. At some point, the term insurance portion of the TFA may be replaced completely by paid-up additions. This is called the crossover point. The target date for the crossover is normally age 100. When crossover is achieved, the rider will automatically become paid-up.

LISR premiums are calculated using the current dividend schedule and current term charges, neither of which is guaranteed. Since a significant portion of the policy's paid-up additions is dependent on the level of non-guaranteed dividends credited to the policy, the paid-up additions available in the contract may not always be sufficient to pay the annual term cost. If paid-up additions are insufficient to cover the term charges, increases in the LISR premium payment may be necessary to avoid a decrease in coverage. Failure to make sufficient premium payments will cause a permanent reduction in the Target Face Amount. **We strongly recommend that you look at an illustration showing a lower dividend schedule to see the impact that this would have on LISR premiums and other policy values.**

LISR Information

Current Charge Rate: The current charge rate schedule for the one-year term insurance coverage is not guaranteed. Further details of this rider are provided in the contract. Your MassMutual financial professional is able to show you the impact of various assumptions on the performance of Whole Life 100 with LISR.

Monitoring System: In order to help policyowners monitor their Whole Life 100 policies, MassMutual has developed a monitoring system. Prior to each policy anniversary, this system will check to see if the current LISR premium, together with dividends and paid-up additions (as illustrated under the then current dividend schedule and current charge rate), will support LISR to the earlier of the crossover target date or the insured's age 100. If LISR will not be supported under these assumptions, a notice will be generated advising the policyowner of the action necessary to support LISR. The policyowner is not required to take the recommended action, but failure to do so may cause future deficiencies in the funding of the rider and an ultimate reduction in the Target Face Amount.

Term Conversion Feature: For some policyowners, the need for term coverage may be temporary. In order to allow a transition to all permanent coverage, the term portion of LISR is convertible without evidence of insurability to any MassMutual permanent life insurance policy offered for sale at the time of the conversion, for ten years from issue, or to insured's age 65, whichever is earlier. LISR cannot be converted in the first policy year. The TFA will be reduced by the amount of one-year term converted.

Rider Premium Continuation: After this rider has achieved crossover and is paid in full, you may elect to continue to pay rider premiums (subject to limits described in the contract) to purchase additional paid-up additions without evidence of insurability. These premiums will be set at the same payment frequency as elected for this policy and may be paid-up to and including the insured's attained age 90.

Client Input Summary

Company: MMD

October 16, 2023

Product: WL 100

Insured

Coverpath	N
First Name	Valued
Last Name	Client
Sex	Female
Issue Age	57
Class	Non-Tobacco
Table Rating	None
Tax Bracket Percent	1 to 64 - 28
Contract State	Nevada

Design

Design	Base+LISR
Total Face Amount	1 to 64 - 30,000,000
Base Face Amount	1 to 64 - 19,500,000
Loan Interest Option	1 to 64 - Borrow from Policy
Premium	Solve
Premium Mode	Annual
Gtd. Death Benefit LISR Solve	N
LISR Payment Age/Yr	Age
Age	100
LISR Lump Sum	0
LISR Crossover Target	Age
Age	100
Term Reduction	N
Continue LISR Payment After Crossover	N
Dividend Option	1 to 64 - LISR\Flex
Dividend Rate	1 to 64 - Current-1.25%
Loan Rate	Adjustable
Loan Interest Option	Borrow from Policy
1st Rate Increase	0.50
2nd Rate Increase	1.00
Outlay Type	Level
Illustrate APO	N
Illustrate Flexible Outlay	N
1035 Exchange	N

Options

Product Type	Non-Qualified
Policy Owner	Insured
Optimize Face Amount to Best Band	N
Reduced Paid Up	N
Print to Age/Year/Max	Max

Client Input Summary

Company: MMD

October 16, 2023

Product: WL 100

Riders

Waiver of Premium [WP]	N
Renewable Term Rider [RTR]	N
Guaranteed Insurability Rider [GIR]	N
Additional Life Ins. Rider [ALIR] - Scheduled	N
Additional Life Ins. Rider [ALIR] - Unscheduled	N
Additional Life Ins. Rider [ALIR] - Planned	N

Disbursements

Disbursements	N
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Reports

New Business Report	Y
Short Form	N
Outlay	N
Cash Value Increase	N
Cash Value Increase (with one year ROR)	N
Monthly Life Income Option/Paid-Up Insurance	N
Monthly Life Income Option/Paid-Up Insurance (with one year ROR)	N
Internal Rate of Return on Cash Value	N
Internal Rate of Return on Death Benefit	N
MassMutual Dividends	N
Revised Illustration	Y
Convert Basic Illustration	N
'Wealth In Motion®'	N
Supplemental Illustration Summary	Y

Agent Info

Agent First Name	Home
Agent Last Name	Office
Agent Address1	1295 State St.
Agent City	Springfield
Agent State	Massachusetts
Agent Zip Code	01111
Bank Sale	N

Concept

Concept	<None>
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