

The background of the slide is a light gray gradient, decorated with numerous realistic water droplets of various sizes. Some droplets are large and prominent, while others are small and subtle, scattered across the top and right sides of the frame.

WATER SUPPLY DIVISION

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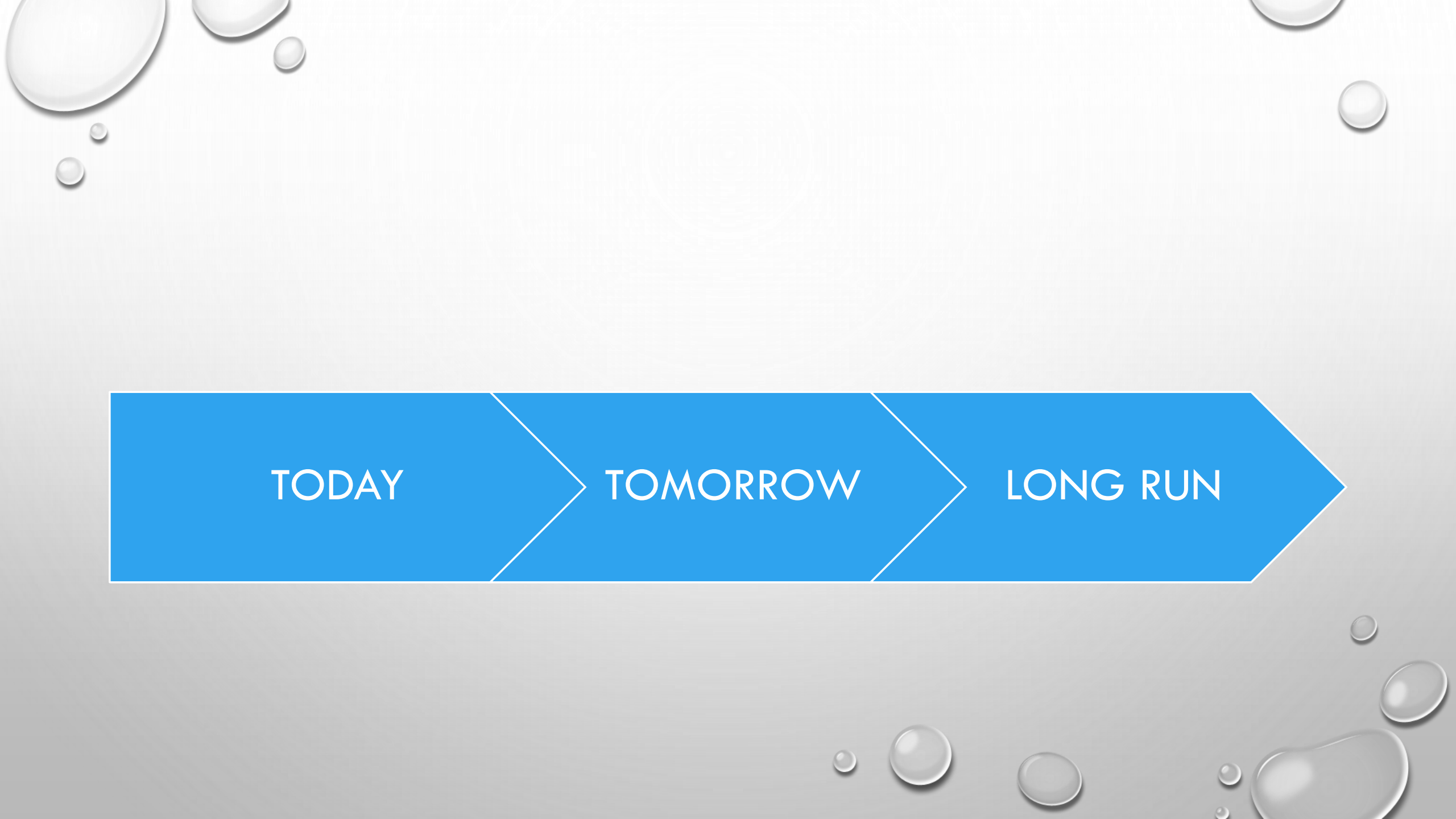
BARNSTABLE MUNICIPAL WATER SUPPLY BOARD

SAMUEL WILSON, CHAIR

BARNSTABLE MUNICIPAL WATER SUPPLY BOARD

TOWN COUNCIL | NOVEMBER 6, 2025





TODAY

TOMORROW

LONG RUN



TODAY | PLENTY OF WATER SUFFICIENT PUMPING CAPACITY

OUTSTANDING AQUIFER

- 50 – 200 ft thick aquifer
 - Sand and gravel composition

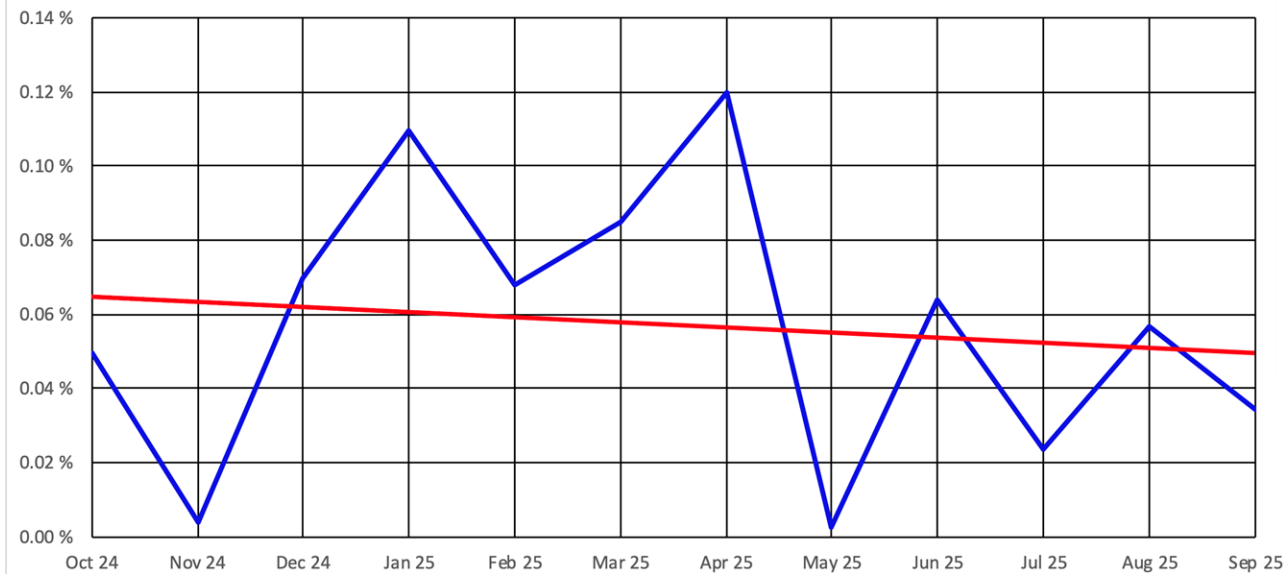
PUMPING NEEDS

- Pump on average 900 million gallons per year
- Max – July – 4.7 million gallons per day
- Min – December – 1.9 million gallons per day

PUMPING CAPACITY TODAY

- 5.04 million gallons per day
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PRESENT | PUMPING VISUALIZED



	6-7 Yr Avg	F. Y. 25'- 26'	% Difference
October 24	70,112,000.00	73,597,265.00	0.05 %
November 24	52,831,000.00	53,029,435.00	0.00 %
December 24	50,095,000.00	53,592,900.00	0.07 %
January 25	50,892,000.00	56,472,000.00	0.11 %
February 25	47,726,000.00	50,966,300.00	0.07 %
March 25	51,386,000.00	55,755,600.00	0.09 %
April 25	57,501,000.00	64,392,000.00	0.12 %
May 25	73,518,000.00	73,687,800.00	0.00 %
June 25	91,780,000.00	97,644,500.00	0.06 %
July 25	114,016,000.00	116,698,500.00	0.02 %
August 25	112,283,000.00	118,674,300.00	0.06 %
September 25	91,020,000.00	94,163,500.00	0.03 %

TODAY | ENHANCING PUMPING CAPACITY

NEW MARY DUNN WELL 4

- Adds capacity and redundancy to the system
 - 500 gallons per minute

MassDEP WATERING RESTRICTIONS

- New Water Withdrawal Permits requires watering restrictions during drought

TOMORROW | NEW TREATMENT PLANTS

ADVANCED TREATMENT PLANTS ALLOWS MORE EFFICIENT WATER TREATMENT

NEW STRAIGHTWAY TREATMENT PLANT – UNDER CONSTRUCTION

- Expected System Pumping Capacity – 7.91 million gallons per day

NEW MARY DUNN TREATMENT PLANT – END OF DECADE

- Expected System Pumping Capacity – 10.78 million gallons per day



LONG RUN | ADDITIONAL WATER SUPPLY

- NEW WELL EXPLORATION PROGRAM
 - 10-year horizon for new wells
 - Adds not only capacity but redundancy
 - Looking at multiple locations within the town
 - Outside current service area





CONCLUSION | WATER NOW AND FOREVER

- WORKING TO PROVIDE PLENTY OF WATER TODAY, TOMORROW, AND IN THE FUTURE
- ALWAYS STRIVING TO DELIVER THE BEST QUALITY WATER AT THE MOST AFFORDABLE RATE POSSIBLE

