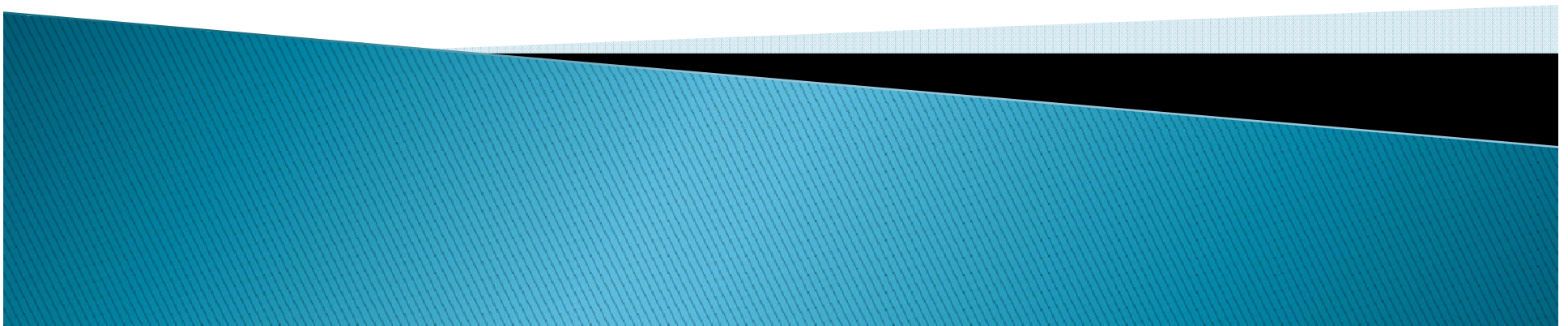


DRAFT
Advisory Committee Review
of
3 / 4 School Option

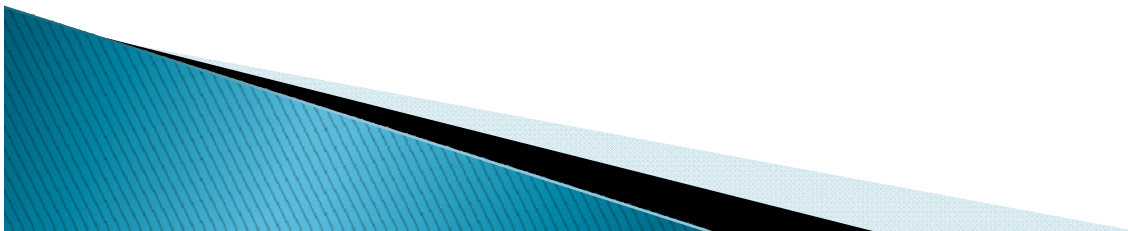
September 2012

Prepared by:
Brian Shea



Reason for Analysis

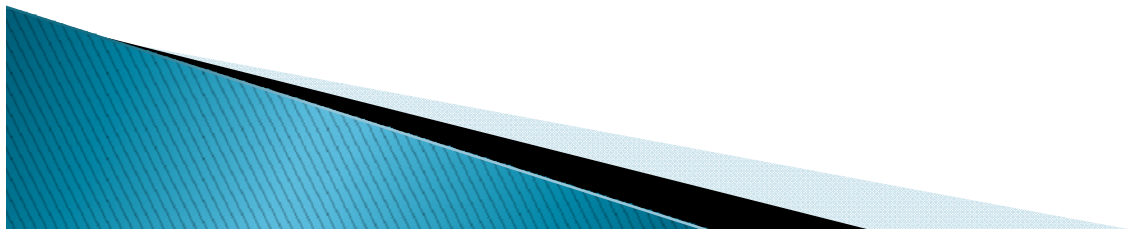
- ▶ Decreasing School Population
- ▶ Update School Committee's December 2009 Preliminary Findings Report
- ▶ Is There a Cost Savings to the Town Taxpayers With Fewer School Buildings, and What Are the Educational Impacts?



Assumptions Used in Analysis

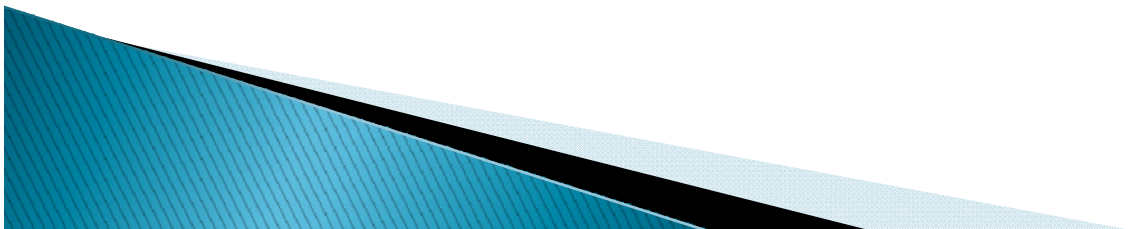
- ▶ School Capacities

School	Capacity – Total	Capacity – Students
Finn	500	450
Woodward	480	440
Neary	500	450
Trottier	720	648



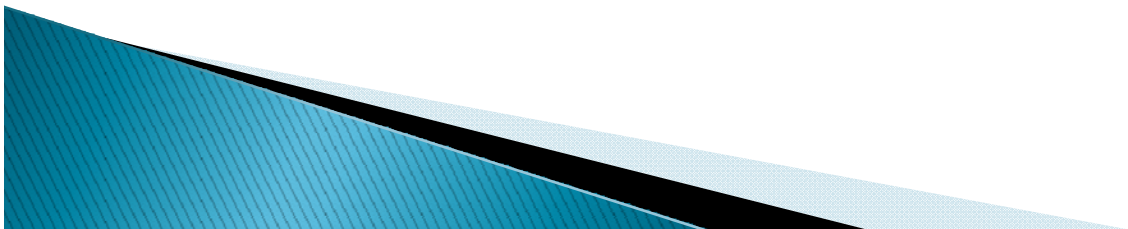
Septic System Constraints

- ▶ Septic systems at Neary and Trottier designed to handle above occupancies
 - Finn/Woodward System Capacities Need To Be Confirmed



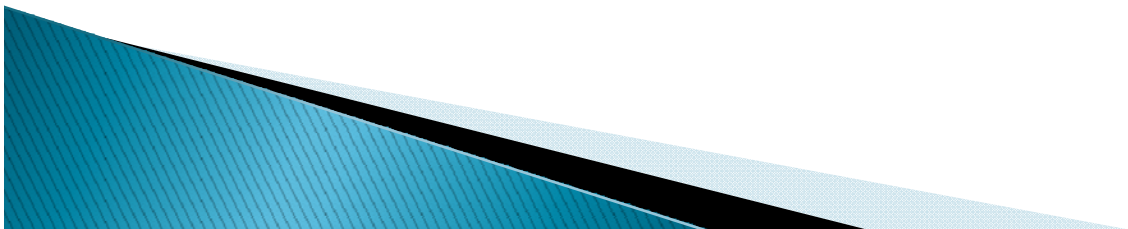
Actual Water Usage – Past 3 Years

	Finn	Woodward	Neary	Trottier
Water Usage, GPD	2,963	1,596	2,425	2,129
Permitted Capacity	?	?	4,176	6,240
% Usage to Capacity			58%	34%
Title V Design , GPPD	8	8	8	8
Actual GPPD	10	5	7	4
% Students to Building Capacities	66%	68%	76%	79%

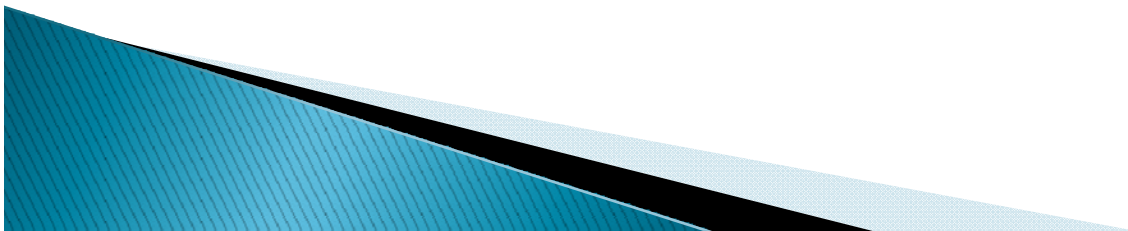
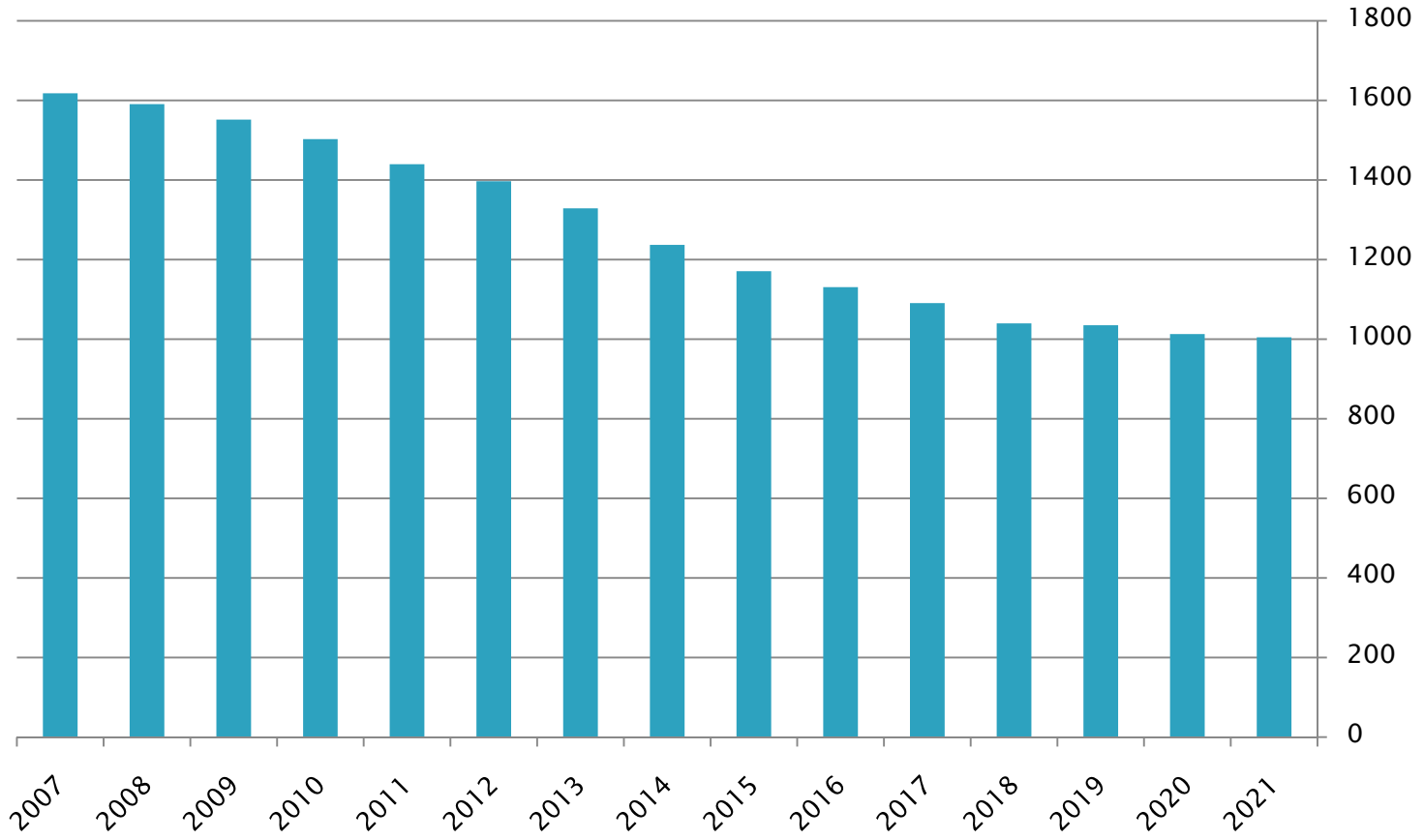


Student Population Sources

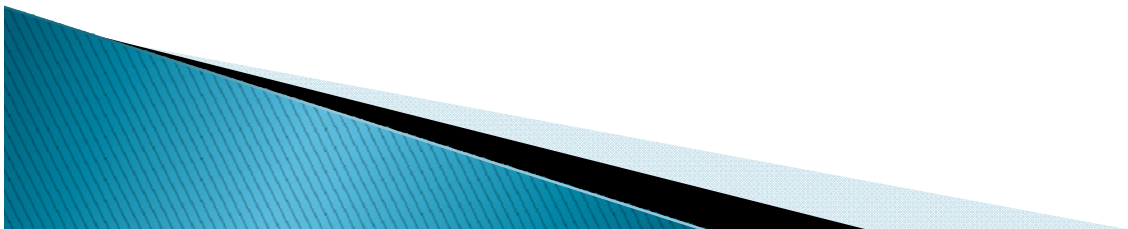
- ▶ 2007 to Present
 - Northborough, Southborough, and Algonquin Regional High School Enrollments, from October of each year
- ▶ 2012 thru 2021
 - New England School Development Council (NESDEC) Southborough, MA Projected Enrollment Data
- ▶ Above data as provided by K-8 School Committee



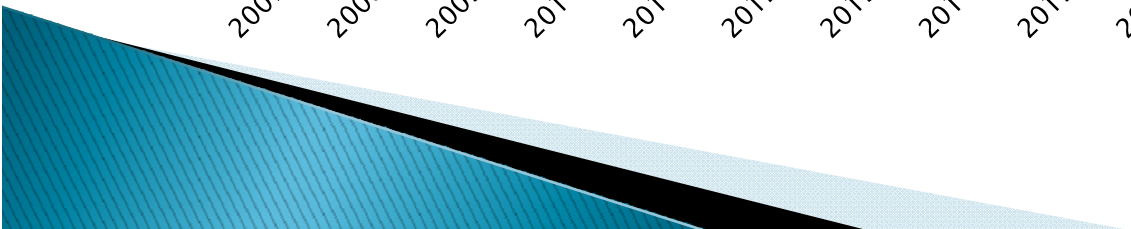
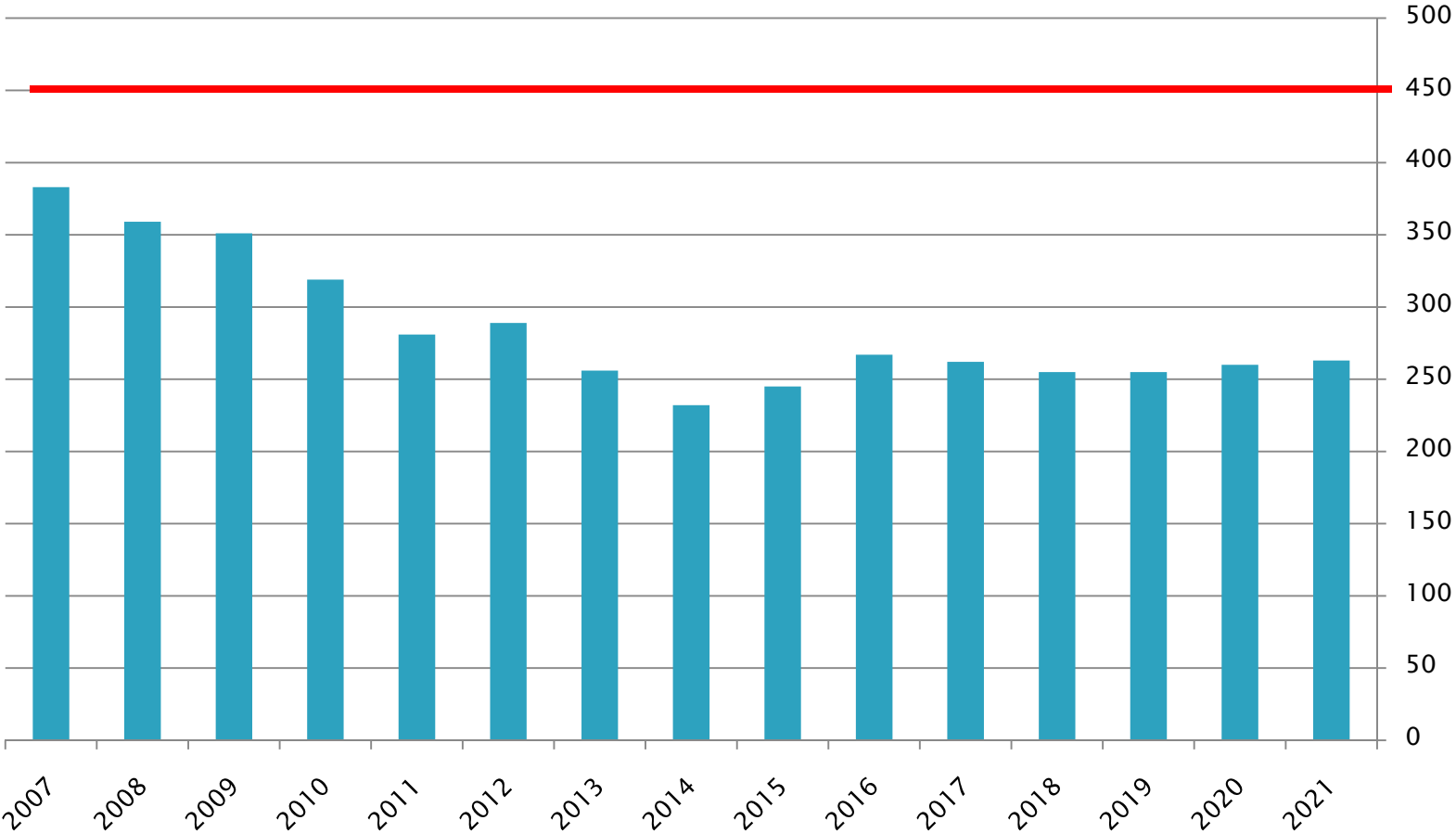
Southborough PK-8 Population



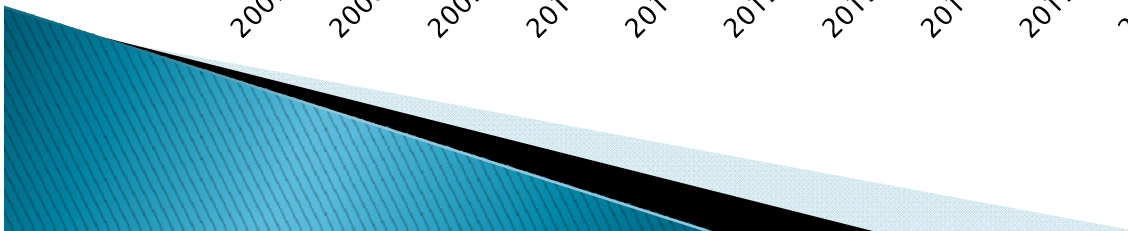
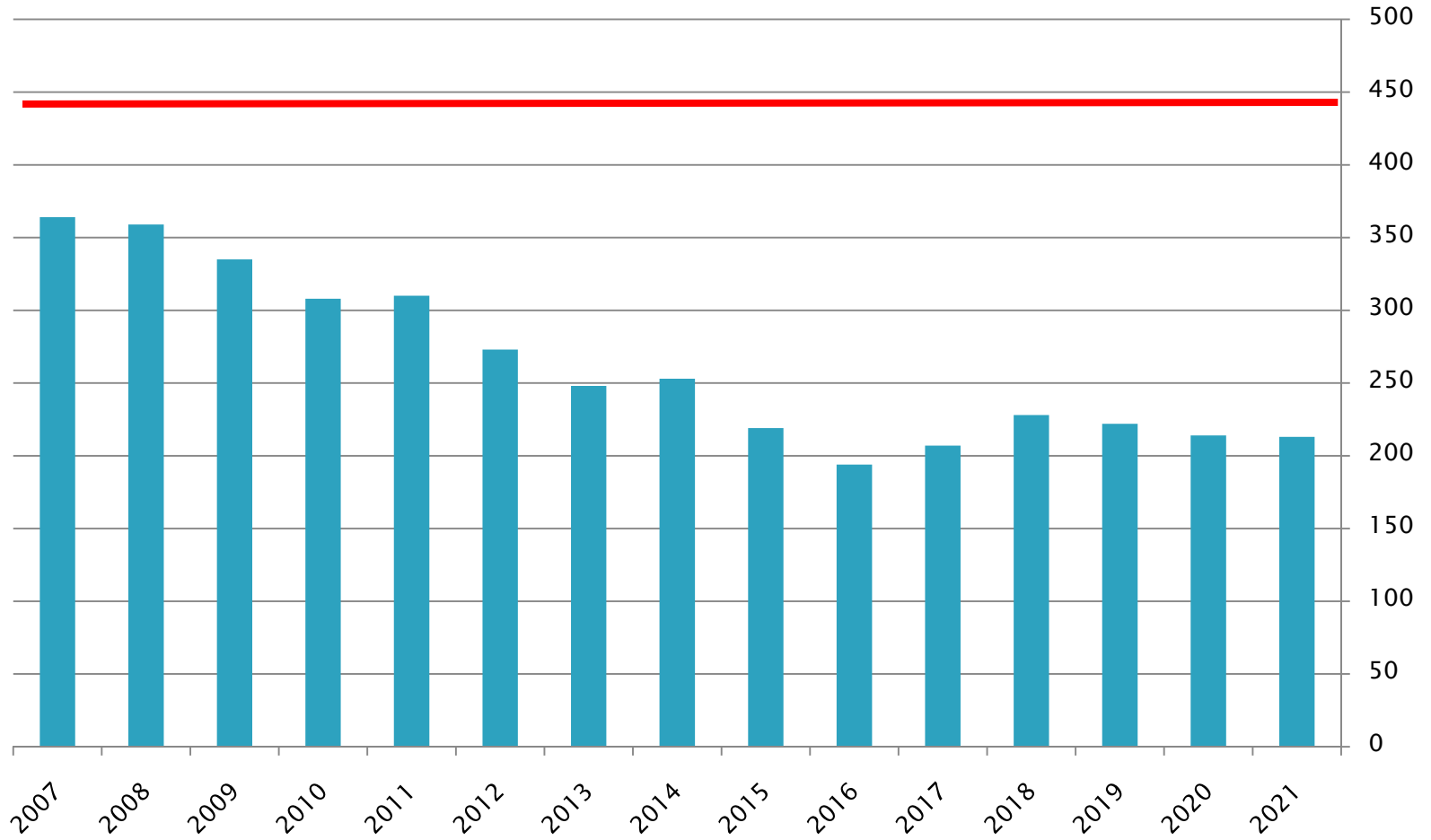
- ▶ Next 4 graphs show the following:
 - School Populations, 2007 to 2021, for the entire town, and for each school with its present grade configurations
 - Finn: Pre-K thru Gr1
 - Woodward: Gr2 & Gr3
 - Neary: Gr4 & Gr5
 - Trottier: Gr6 thru Gr8
 - Red Line in each graph indicates student capacity of each school



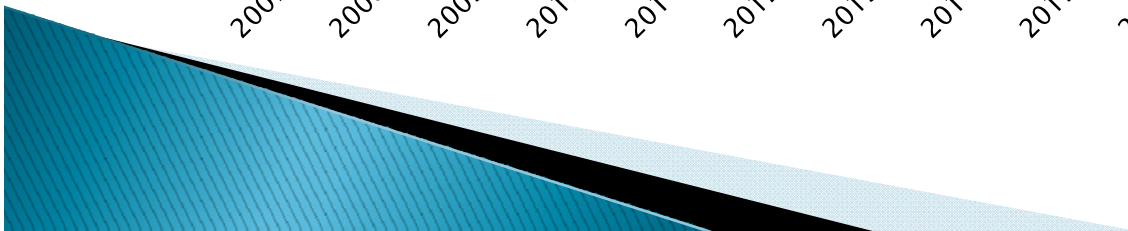
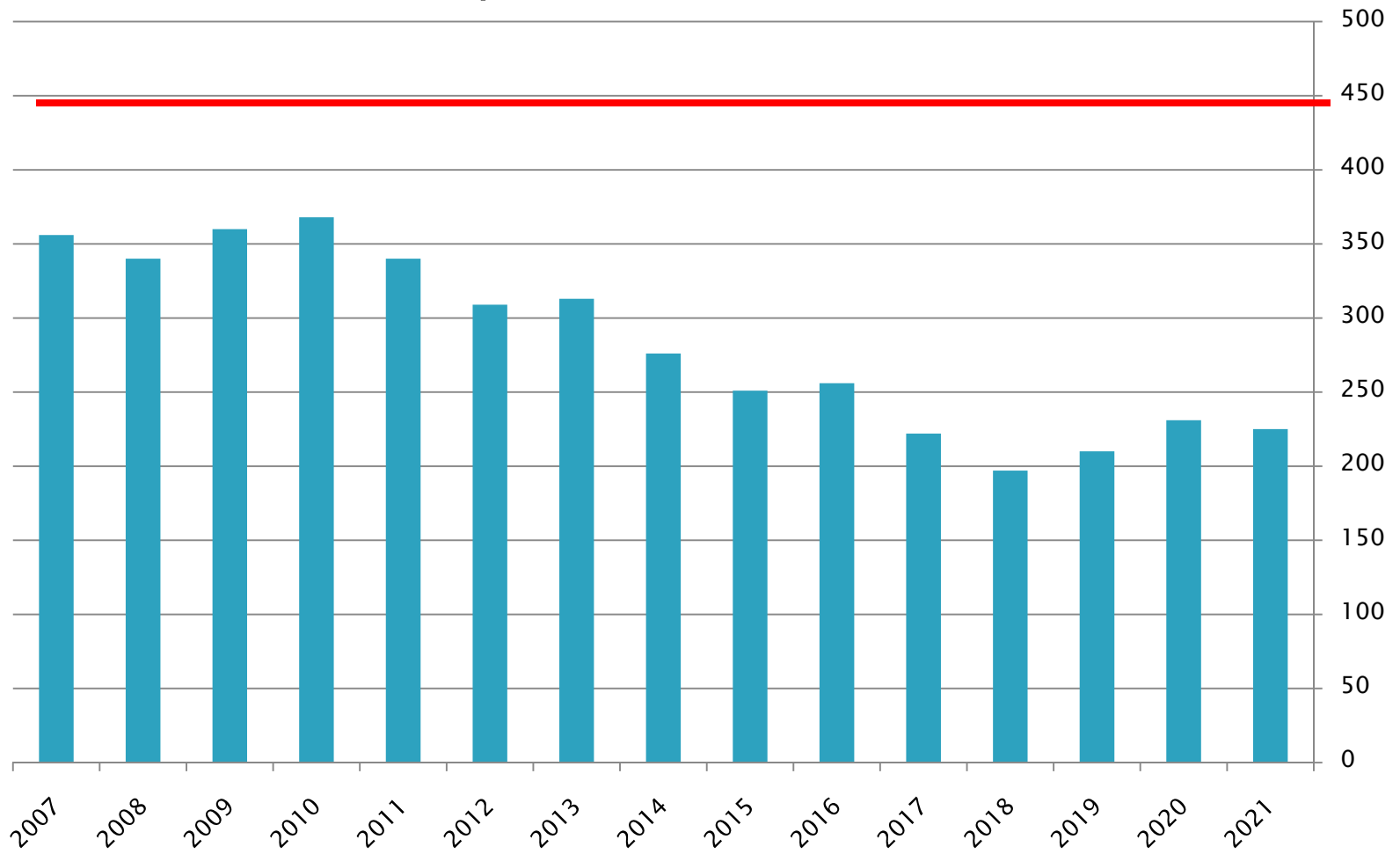
Finn PK-1



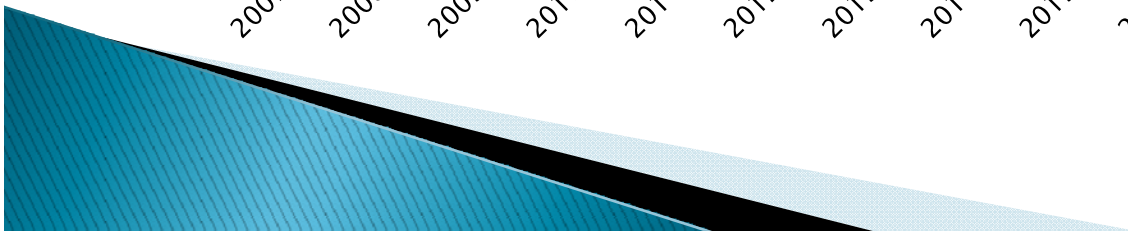
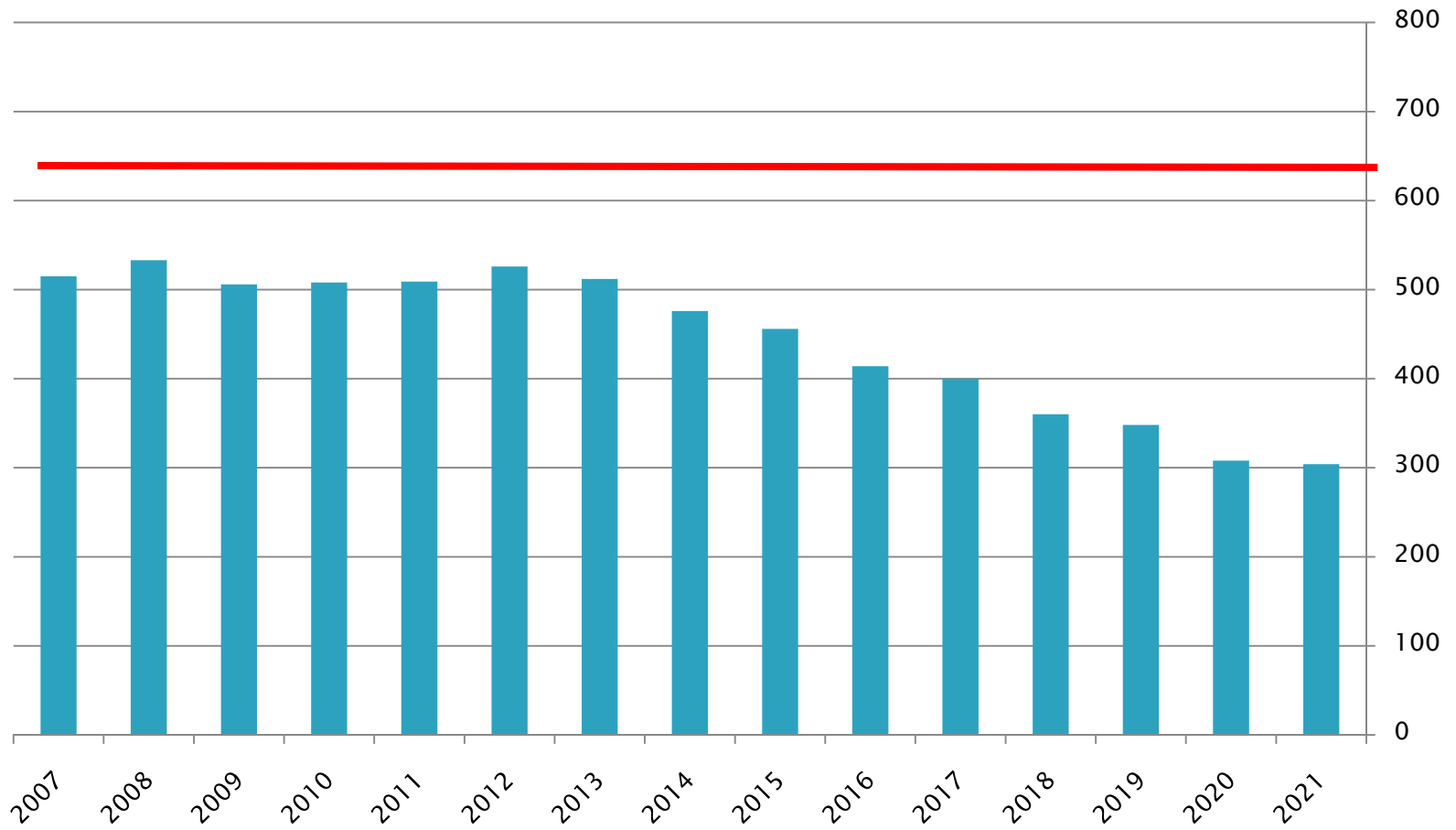
Woodward Gr2 & Gr3



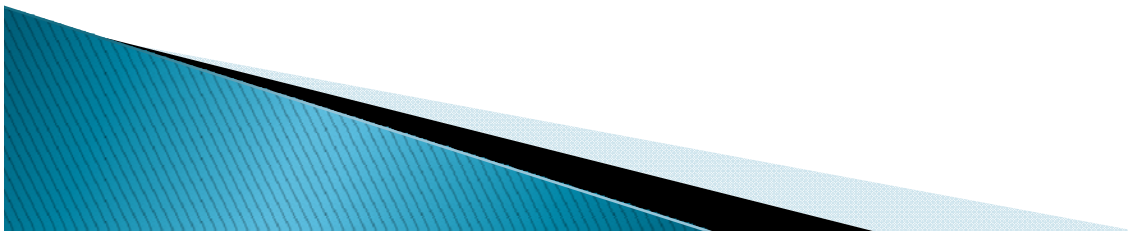
Neary Gr 4 & Gr5



Trottier Gr6-Gr8

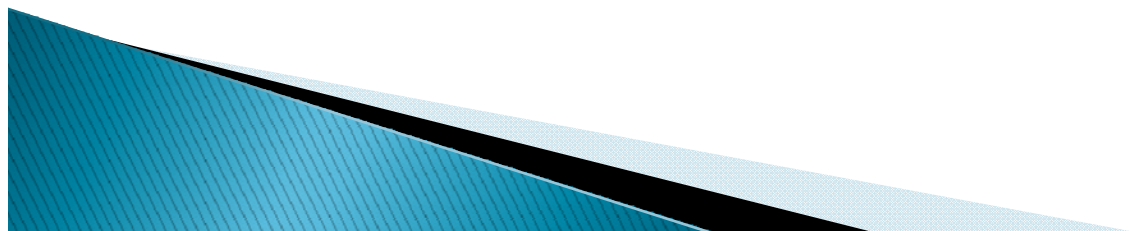


- ▶ Preceding graphs indicate that the potential exists to re-align grades and distribute the projected student populations over a reduced number of school facilities
- ▶ Neary selected for closure under 3 school option, given the State grant impact associated with closing Finn or Woodward
- ▶ 2 school option also evaluated; Finn and Trottier assumed to be the operational schools



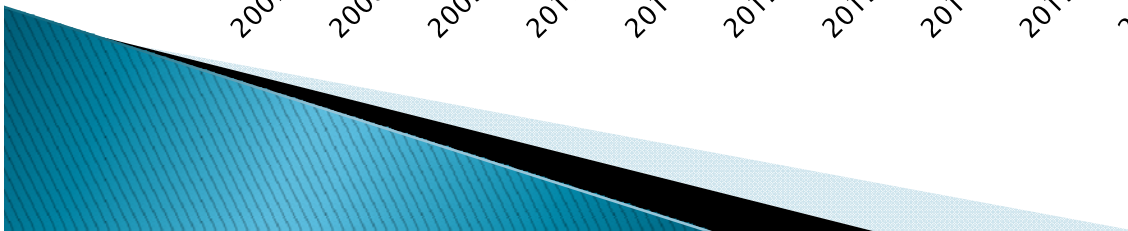
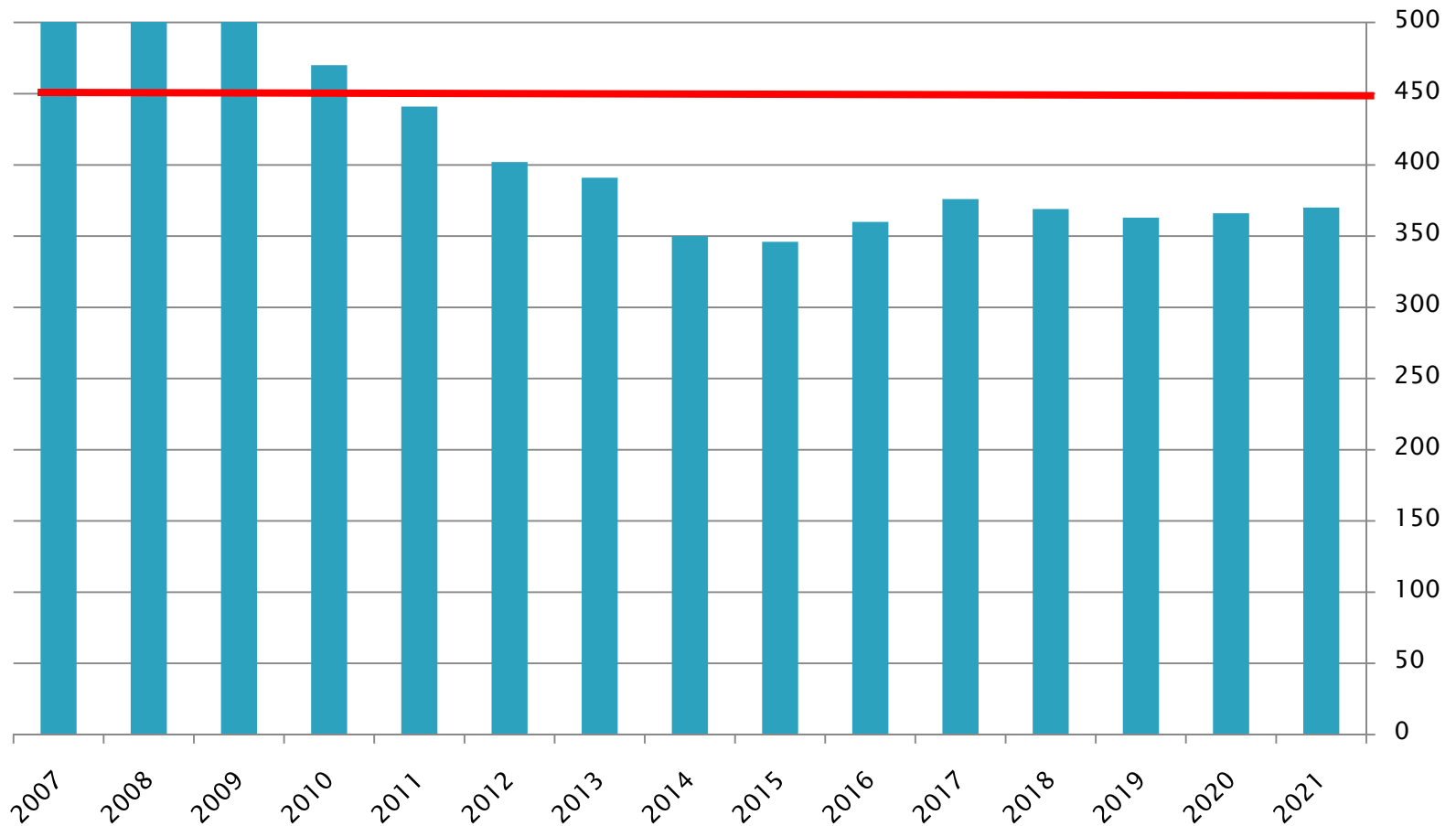
Options Analyzed

- Option 1 Grade Alignments:
 - Finn: Pre-K thru Gr2
 - Woodward: Gr3 thru Gr5
 - Trottier: Gr6 thru Gr8
- Option 2 Grade Alignments:
 - Finn: Pre-K thru Gr2
 - Woodward: Gr3 thru Gr4
 - Trottier: Gr5 thru Gr8
- Option 3 Grade Alignments:
 - Finn: Pre-K thru Gr3
 - Trottier: Gr4 thru Gr8



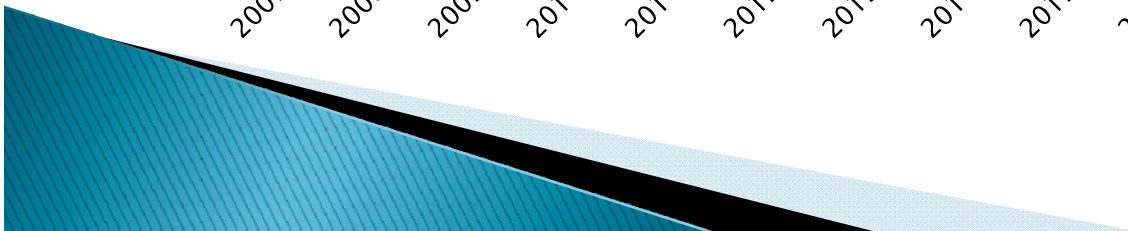
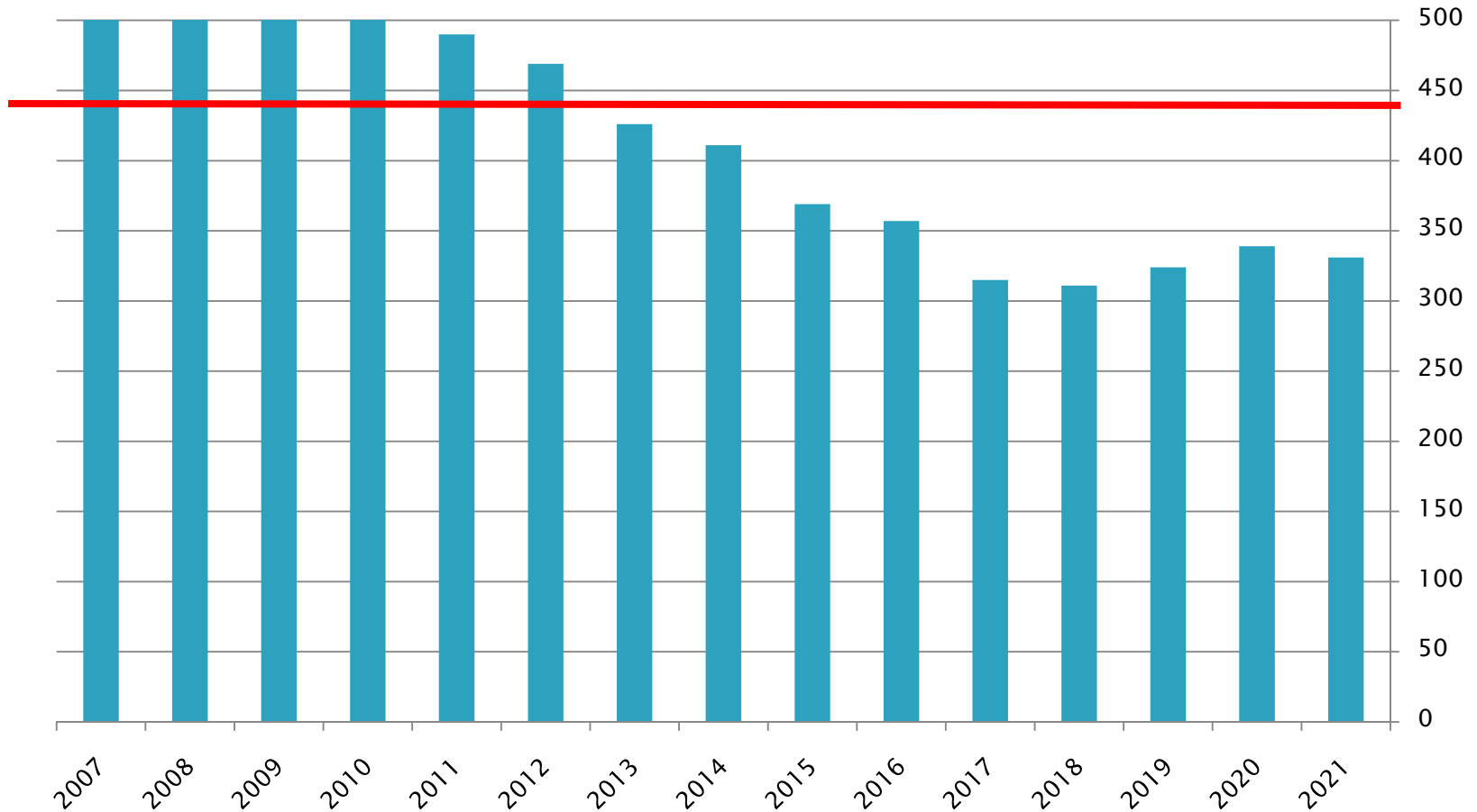
Option 1 Alignment

Finn PK-2



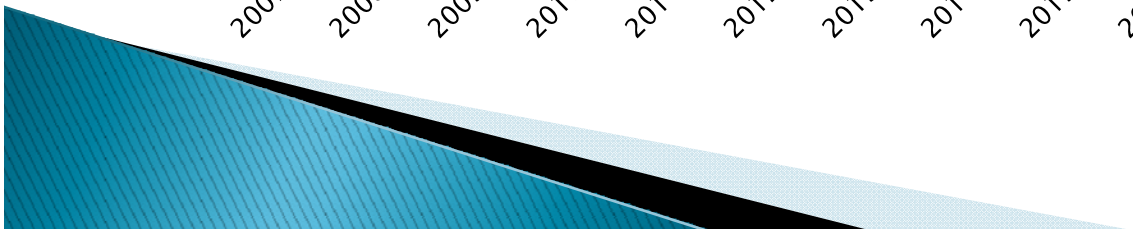
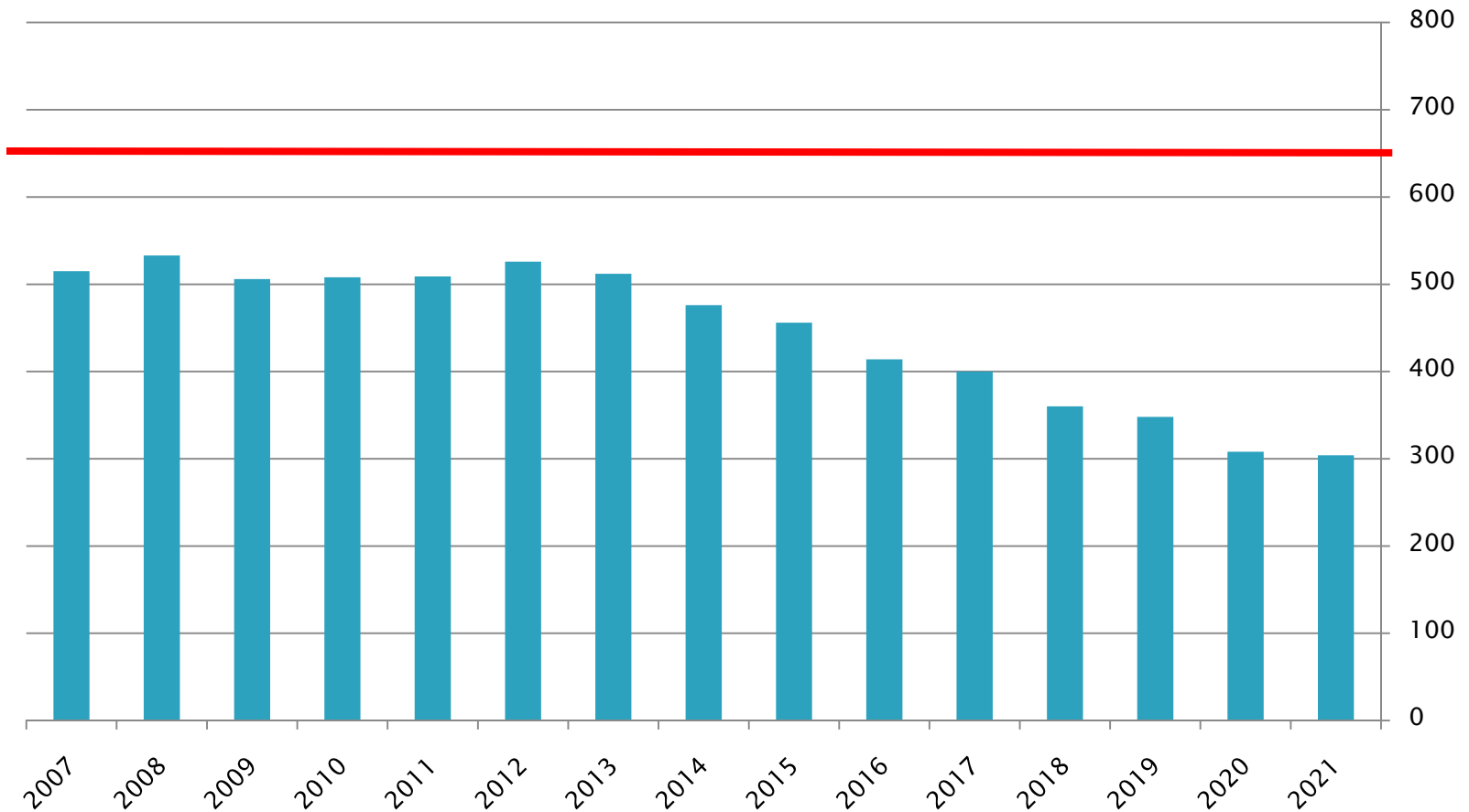
Option 1 Alignment

Woodward Gr3-Gr5



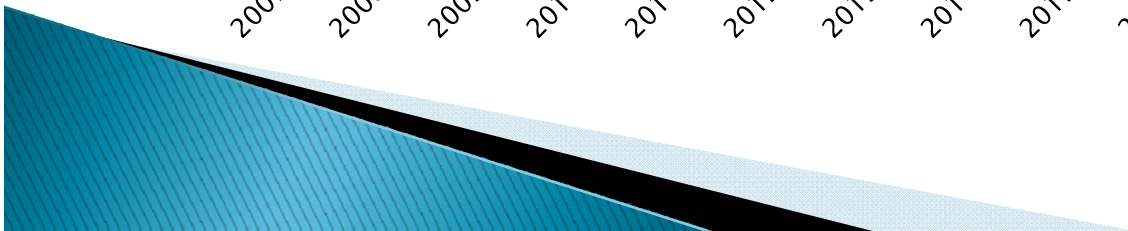
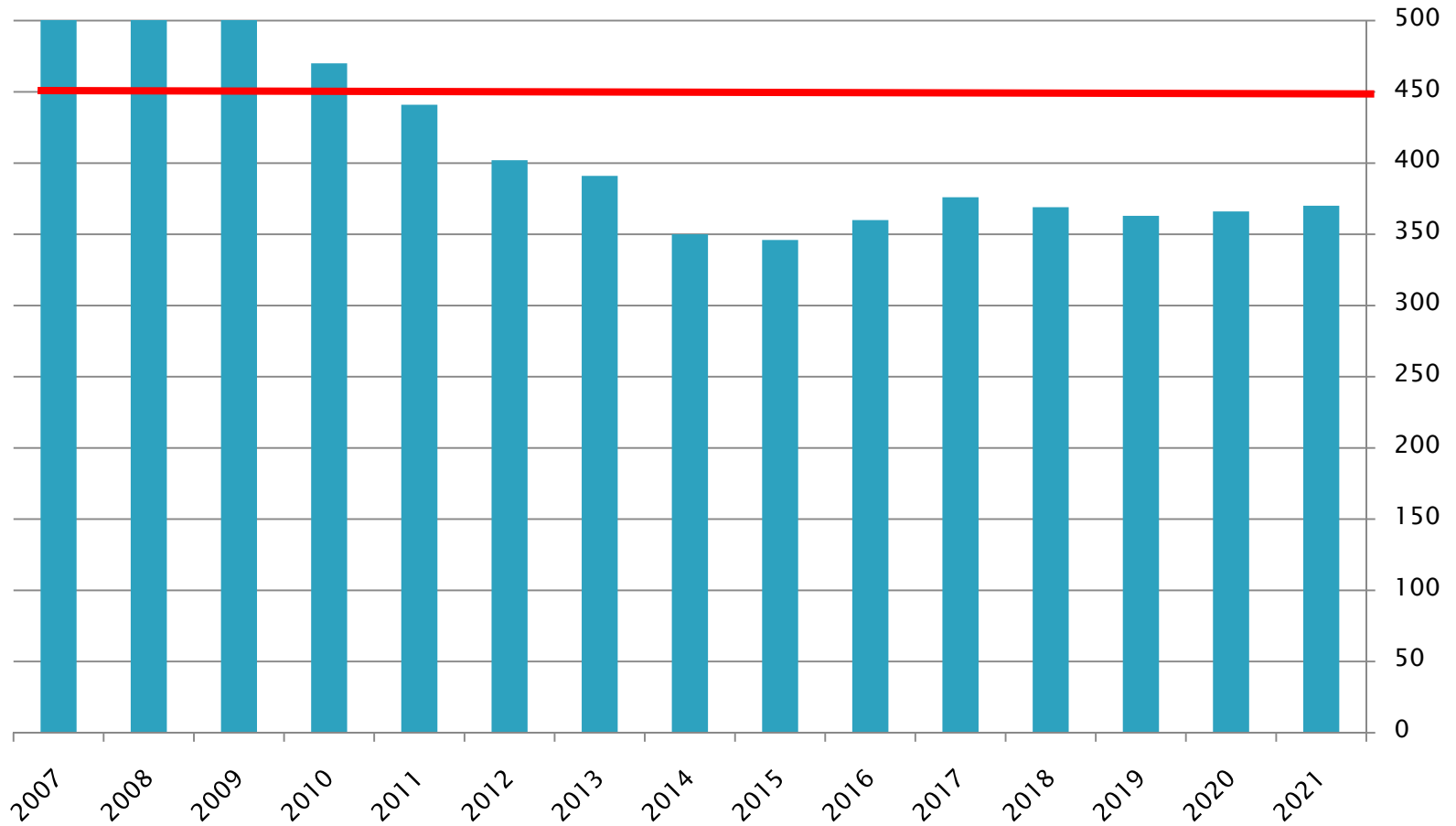
Option 1 Alignment

Trottier Gr6-Gr8



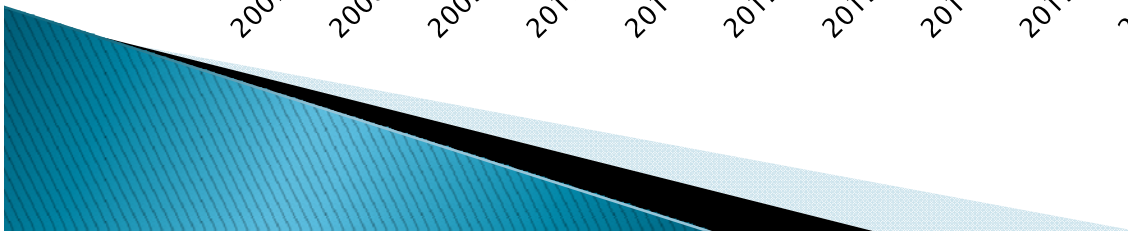
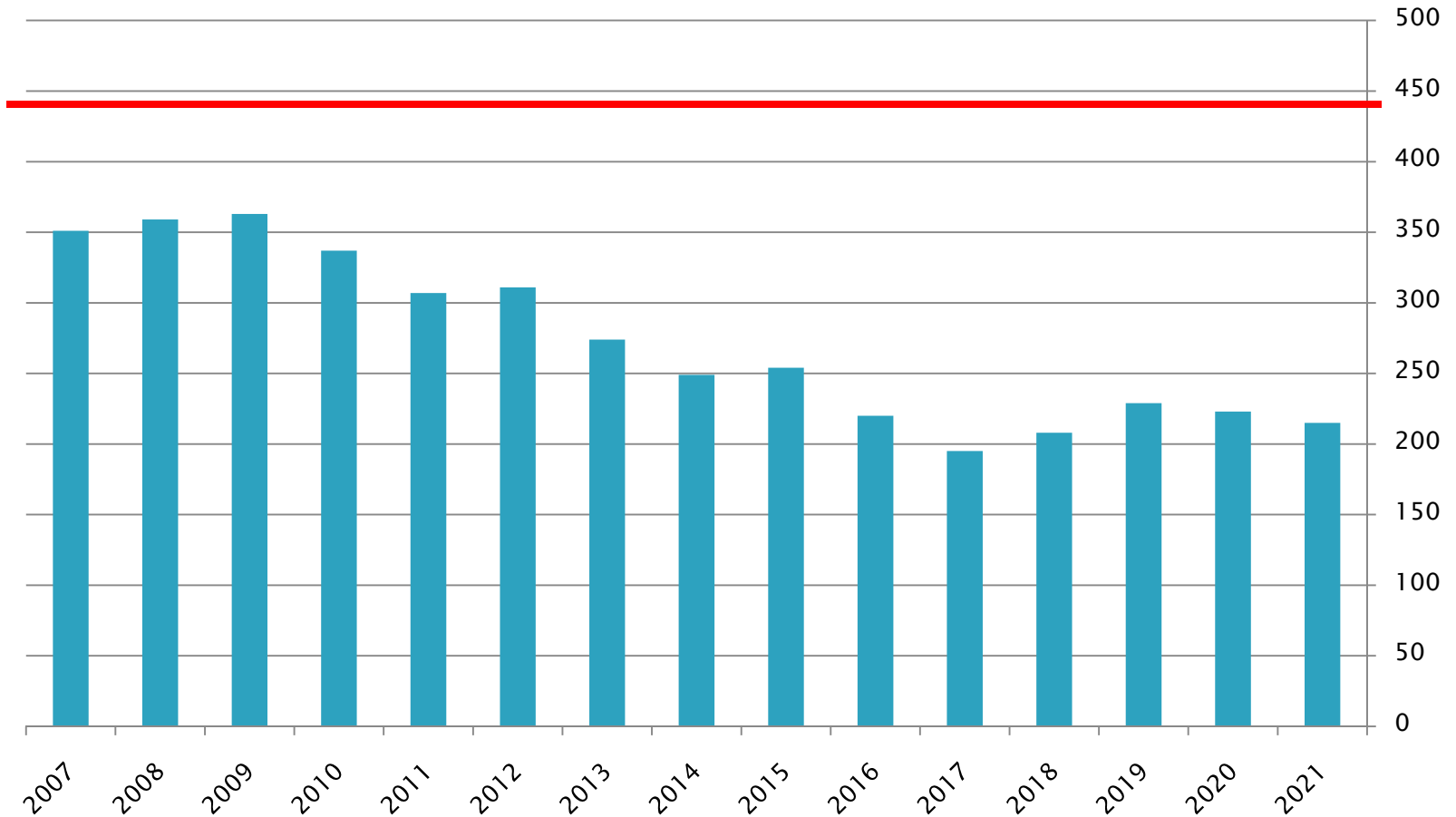
Option 2 Alignment

Finn PK-2



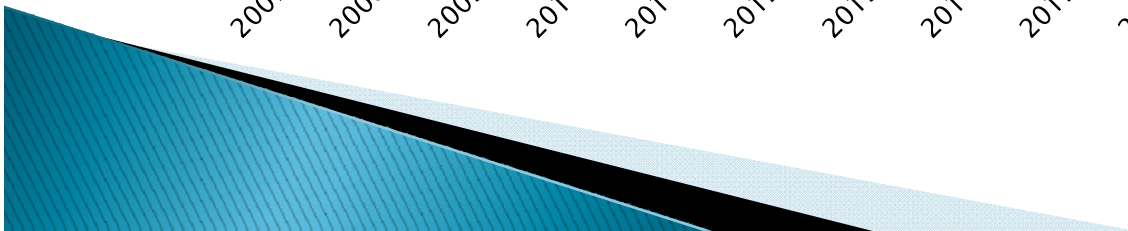
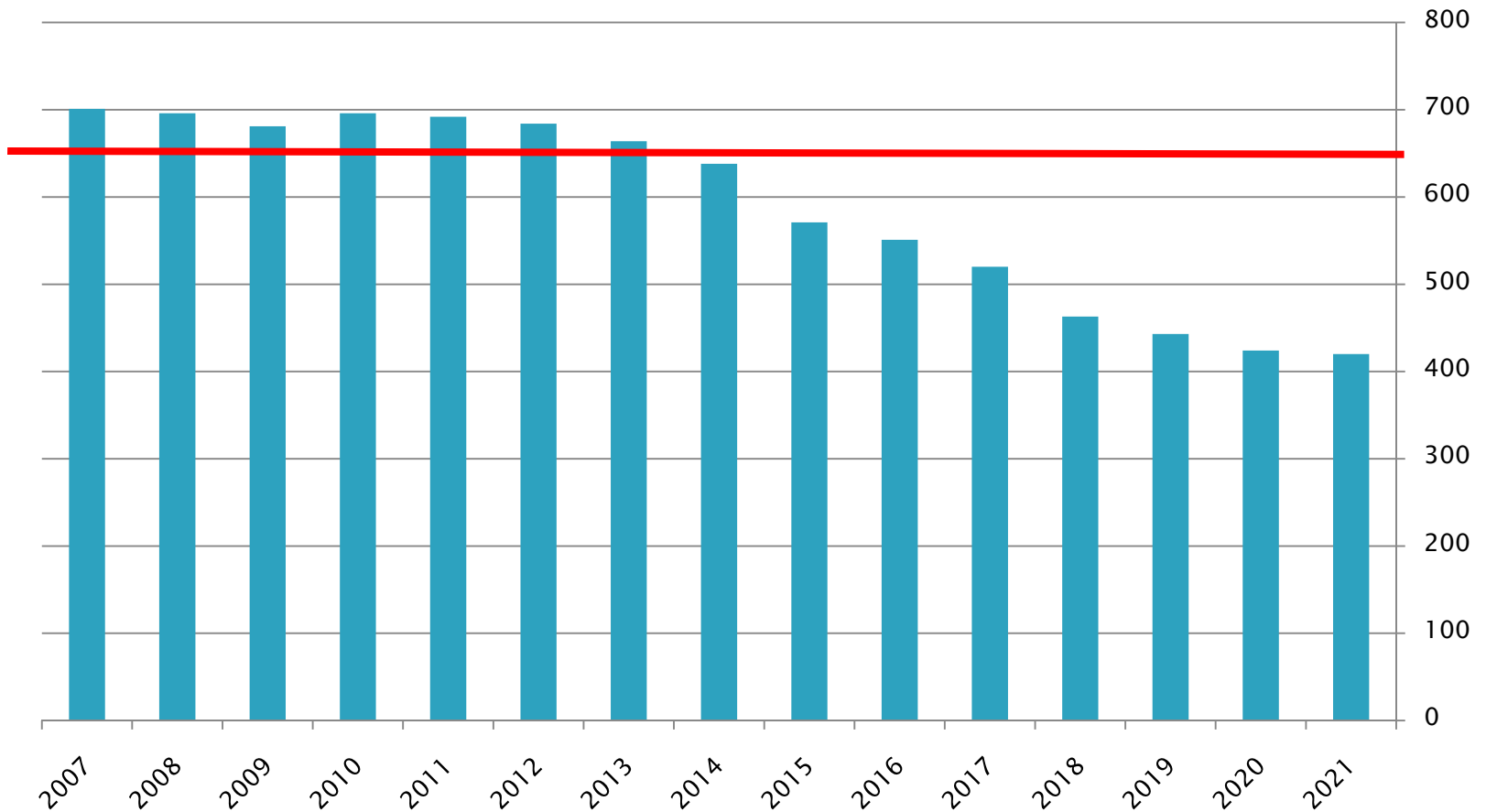
Option 2 Alignment

Woodward Gr3-Gr4



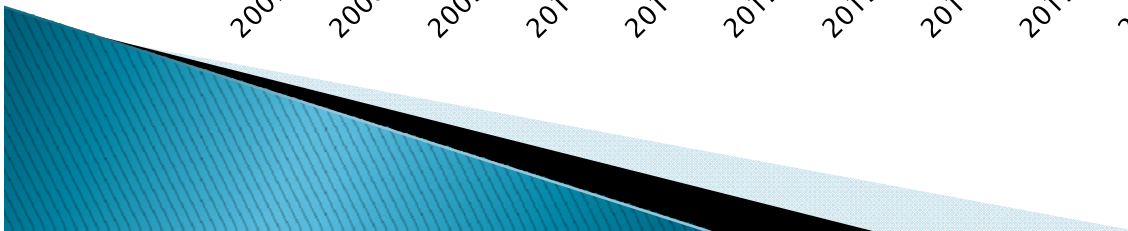
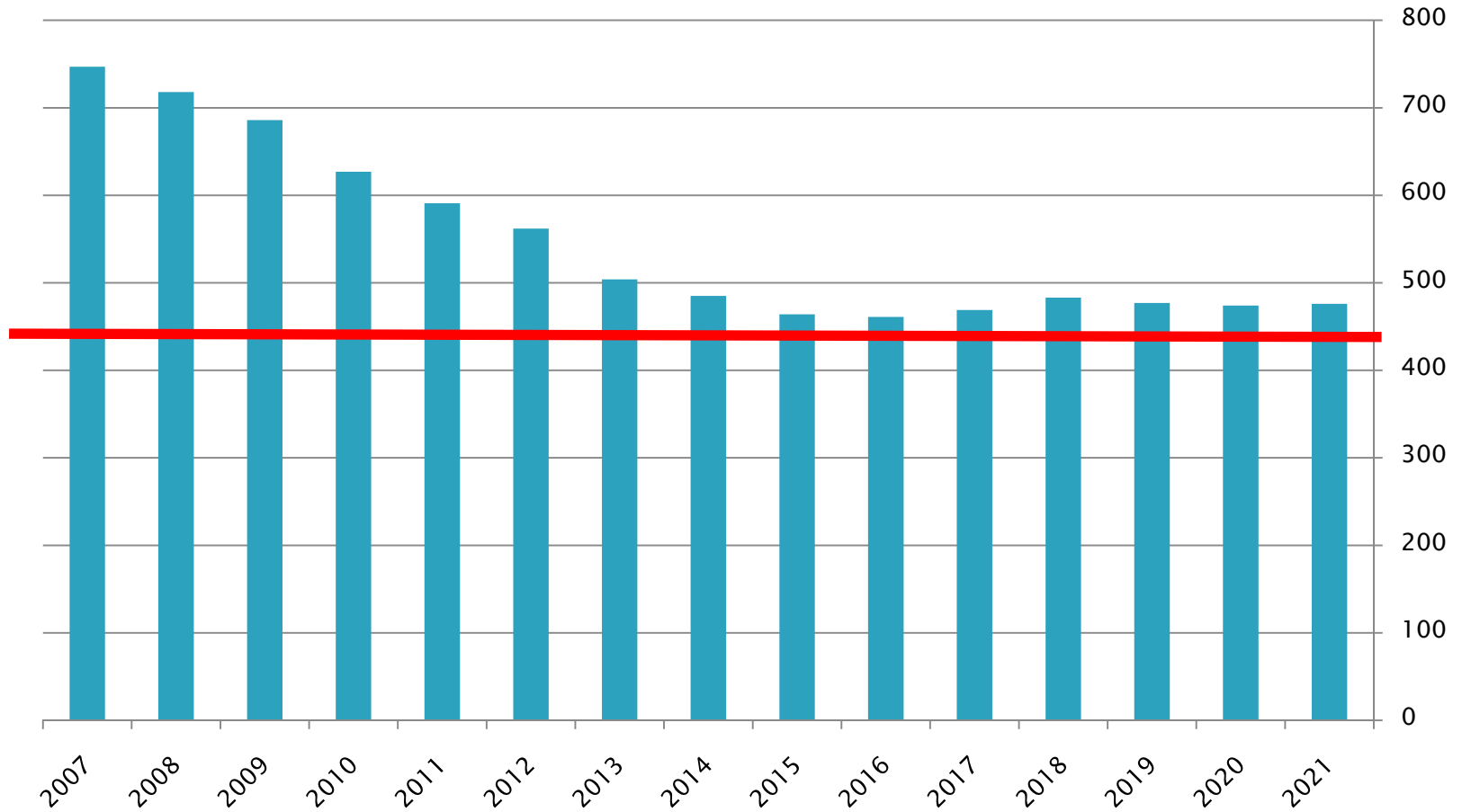
Option 2 Alignment

Trottier Gr5-Gr8



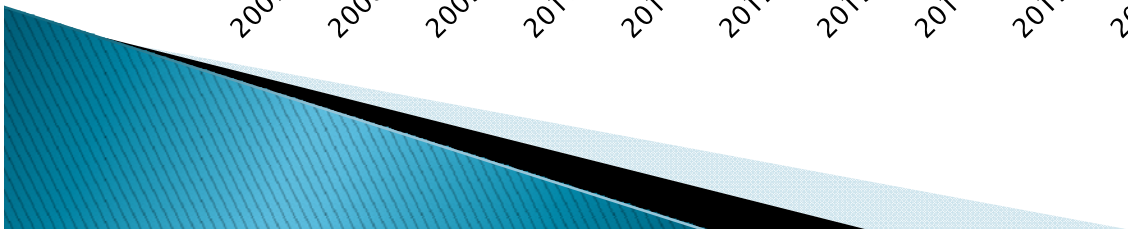
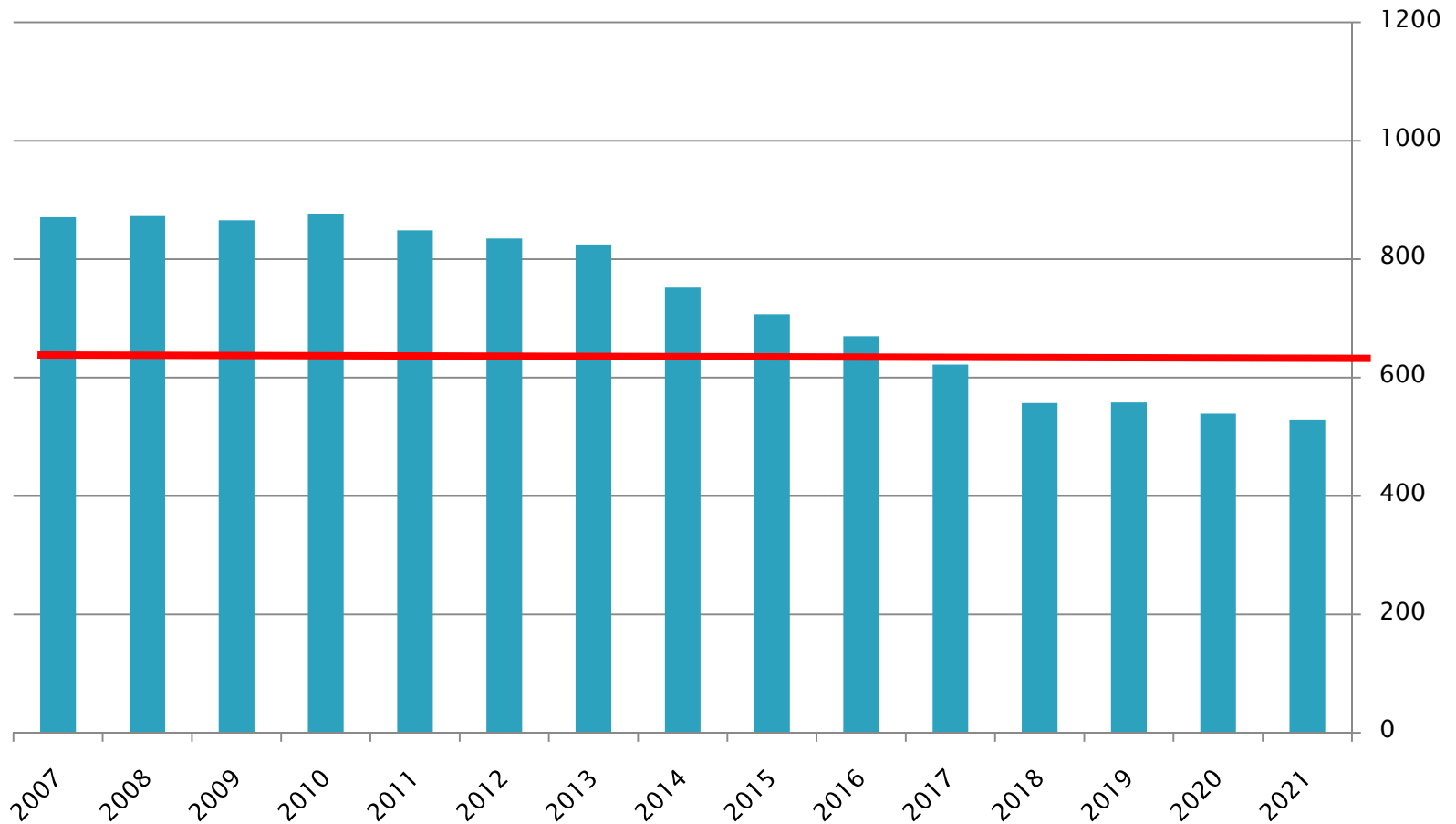
Option 3 Alignment

Finn PK-3



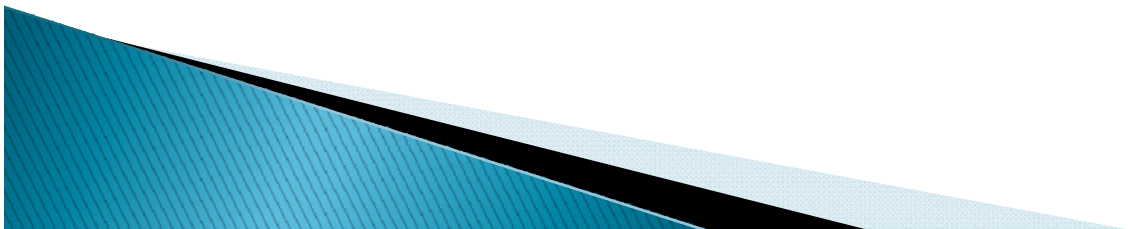
Option 3 Alignment

Trottier Gr4-Gr8



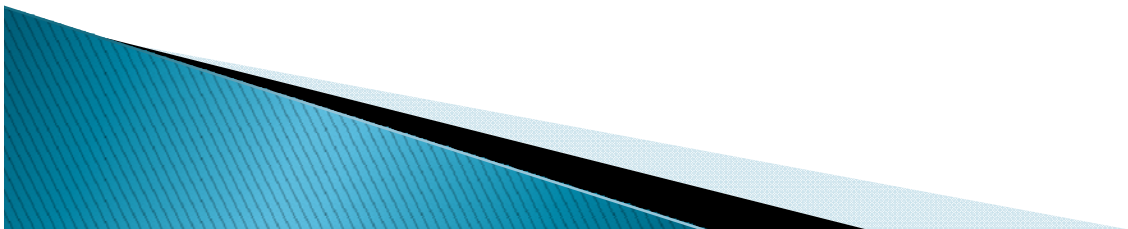
Summary/Conclusions

- ▶ Actual Water Usage Is at or Below Septic System Design Capacity
- ▶ Actual Water Usage is at or Below Mass DEP Title V Design Criteria
- ▶ Under current grade configurations, all four schools will be at 50% to 60% occupancy in 2 to 4 years



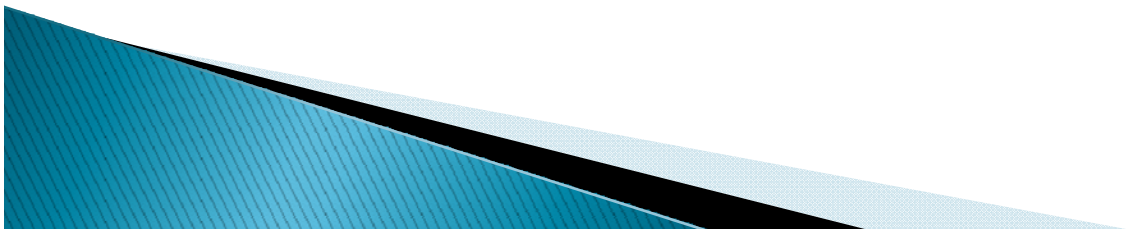
Summary/Conclusions

- ▶ Options exist to house students in 3 schools starting Fall 2013
- ▶ Housing students in 2 schools does not seem feasible with current population projection data
- ▶ Additional data required to quantify the cost savings associated with reducing the number of schools in operation



Summary/Conclusions

- ▶ Educational impacts of grade re-alignments needs to be analyzed by School Committee
- ▶ Advisory recommends that the School Committee prioritize this analysis, given the potential cost savings that exist with consolidation of school operations into fewer facilities



Questions / Comments

