

# Groton Area Schools Stakeholder Feedback Sessions



July 11, 12, 21, 26 & 28, 2016

Presented By: Joe Schwan, Superintendent  
Groton Area Schools

## Meeting Agenda

- Introductions
- Why Are We Here?
- Long-Range Planning Development Process & Timeline
- Analysis' Results Summary
- Recommended Building Improvement Measures (BIMs)
- Developed Project Scenarios
- Potential Funding Solutions & Tax Impact
- Stakeholder Feedback

## Introductions



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## Why are we here?

- 25% of MS/HS area is 82-years-old (1934 building).
- 68% of our district's facilities infrastructure is 48 or more years-old. (Elementary 1968 & 1992; MS/HS 1934, 1957, 1968, 1979, 2004 & 2009)
- The impact of today's technology was not considered when 76% of our district's facilities were built.
- Education is delivered much differently today, than when most of our district's facilities were constructed.
- We need to improve the education environment so we can continue providing our children the "Blue Ribbon" education and experiences they will need for the future.
- Many classrooms are too small to accommodate the student-teacher ratios suggested by the State's new funding formula.

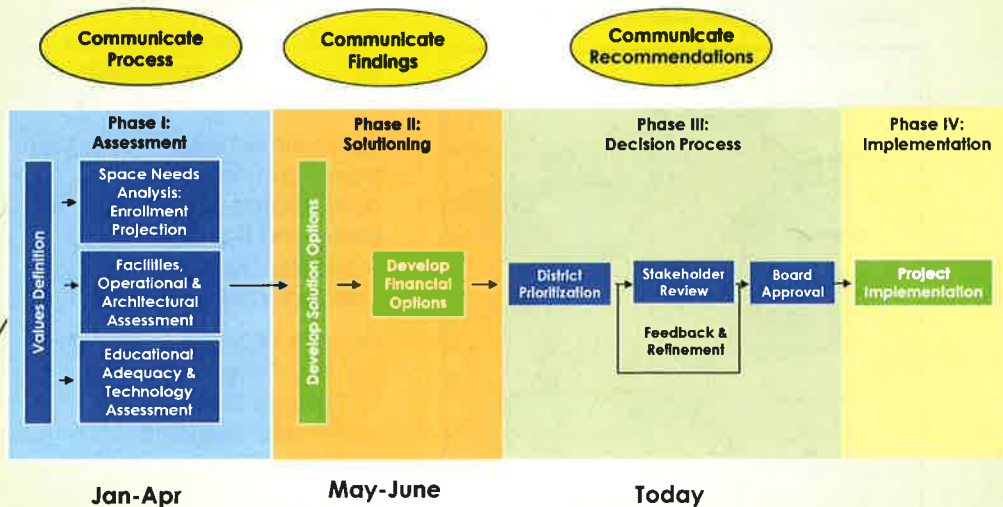
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## Without Long-Range Planning

- To address on-going indoor air quality and space temperature control complaints from occupants and improve reliability the School Board will be forced to spend \$6.8M on:
  - Replacing heating, ventilation and electrical systems that have exceeded their useful life.
  - Building, Fire, and ADA code compliance.
  - Infrastructure improvements that do not improve space educational adequacy, or provide a 21<sup>st</sup> Century education environment.

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## Development Process



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Dx3 – Data Driven Decisions

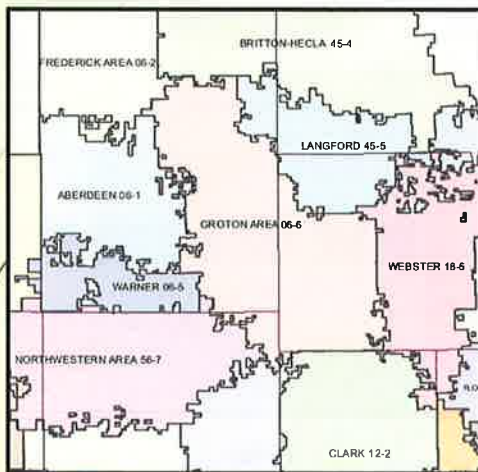


# Groton Area Schools Demographics Summary

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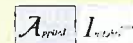
## Factors Considered in Projection

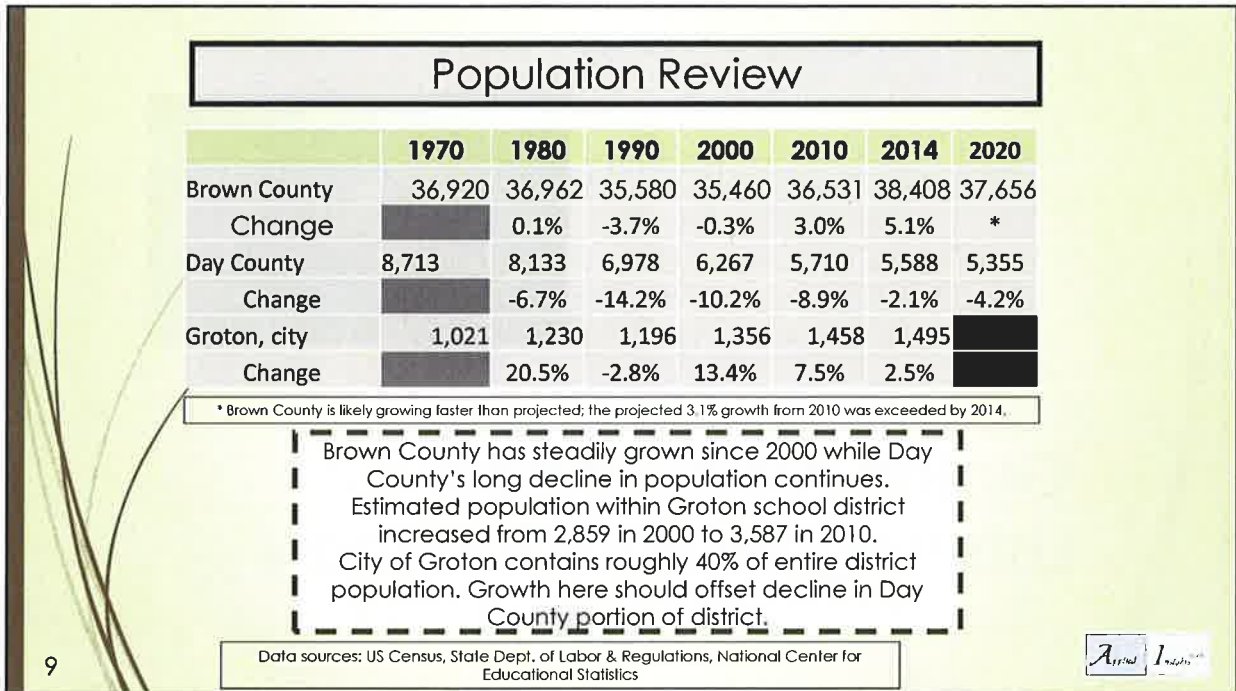


Map source: SD DE.

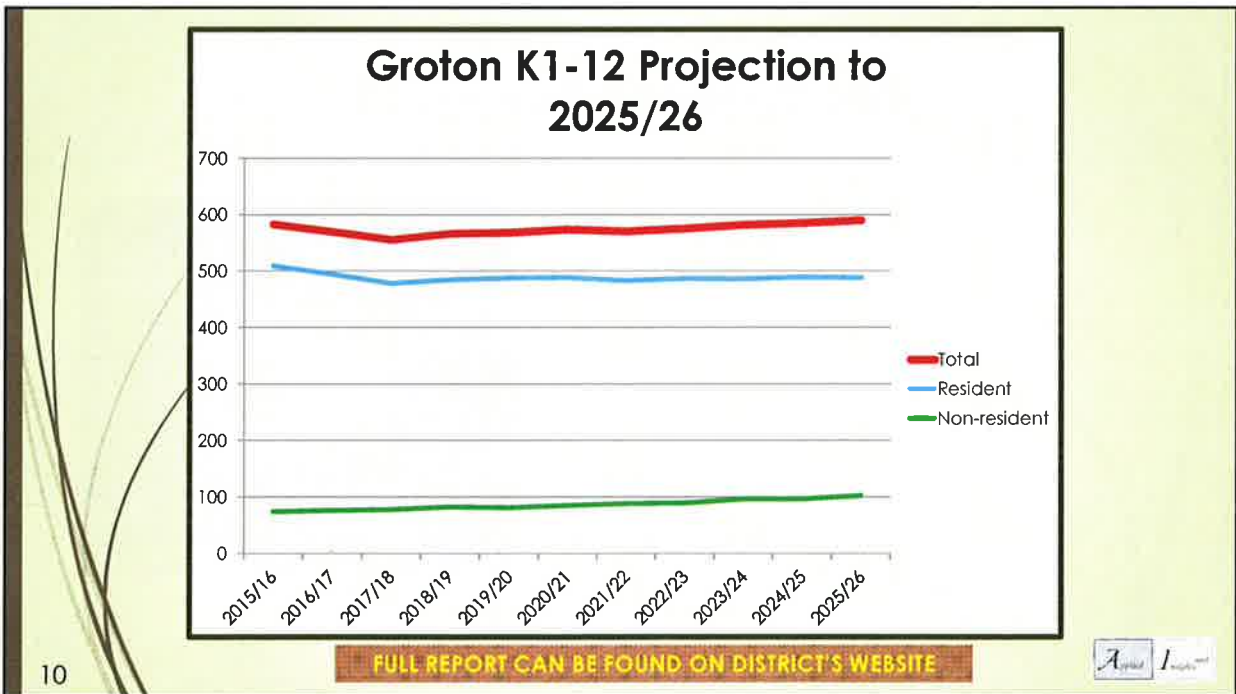
- Pattern of student enrollment change within Groton district.
- Trends in adjacent districts including open enrollment exchanges.
- Economic activity, population change and development pattern for Brown and Day Counties, especially the Aberdeen area including Groton.
- Patterns of births in Brown and Day Counties relative to Groton's kindergarten enrollment including projected births.

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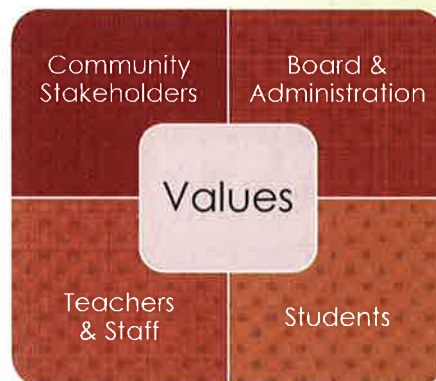


## Groton Area Schools Listening Sessions Summary

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### Values Definition Process

- Meetings were held in February.
- Five separate sessions were held:
  - High School Teachers & Staff
  - Elementary Teachers & Staff
  - Students
  - School Board & Administration
  - Public Stakeholders
- Open & honest responses were given during each session
- Each group held a **UNIQUE** perspective on the school



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## Top Outlined District Needs – All Groups

(Based on needs Prioritization)

- **Attract and Retain High Quality Staff** Increase teacher/staff pay, reduce student-teacher ratio, provide more time for scheduling and collaboration, maintain great staff, hire more teacher and support staff. (Relative Score = 172)
- **Infrastructure Needs** Upgrade 1934 H.S. building electrical and plumbing, improve indoor environmental quality (temperature control, IAQ, acoustics), add air conditioning, better heating, full height/better walls, safe and secure buildings, improve/replace schools, improve parking lot. (Relative Score = 142)
- **Space Needs** Larger high school classrooms, more elementary classroom space, more storage, staff restrooms, better cafeteria spaces, more elementary gym space, larger bus garage, add more theatre/arts spaces, dedicated staff workrooms. (Relative Score = 128)
- **Increase Accountability & Respect** Lack of parent support, lack of student/parent/community respect, more enabling/involved parents and students, improve accountability and support from teachers and students, increase accountability of teachers and staff, improve public perception (relations/communications/tradition), improve motivation and involvement, more school spirit. (Relative Score = 104)

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## Top Outlined District Needs – All Groups

(Based on needs Prioritization)

- **Maintain High Academic Achievement** more class offerings, maintain up-to-date curriculum and performance, improve/increase technology, maintain quality education, maintain/expand college prep. (AP courses, scholarships), add arts programs, control cheating. (Relative Score = 81)
- **District Vision** Think long-term, create a vision for the district, maintain fiscal responsibility and tax affordability, provide funding for facility upkeep, be open to suggestions. (Relative Score = 35)

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## Groton Area Schools Long-Range Capital Improvement Plan Survey Summary

### Respondent Highlights

(175 people responded)

- 78.5% have lived in the district for 10 years or more.
- 51.2% attended Groton Schools.
- 94.8% rate the quality of education at Excellent/Good.
- 73.1% rate School Board & Administration decisions at Excellent/Good
- 88.9% rate teacher/staff quality at Excellent/Good
- 51.0% felt taxes are about the same or lower than neighboring districts.

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## On-Line Survey Conclusions Drawn

- **Great Community Support**
  - Quality education
  - Good/caring staff
  - Progressive administration/board
  - Reasonable taxes
- **Realize Facility & Space Needs Exist**
  - HVAC upgrades
  - More/larger educational spaces
  - Safety and security



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## Educational Adequacy Summary

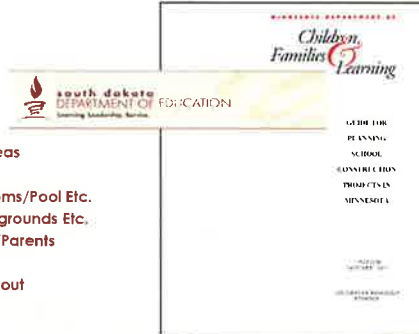
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## What is Educational Adequacy?

Educational Adequacy is a complete analysis of a school building focusing on multiple categories as listed below.

**Analysis in each category is based upon...** 1. Current District use; 2. Accepted educational guidelines; 3. Designing School Buildings for 21st Century Learning; 4. anticipated future needs and 5. input from the Groton Area Schools educational staff.

1. Classroom Size and Suitability
2. Cafeteria/Kitchen/Serving
3. Security and Supervision
4. Main Office/Nurse/Support Services
5. Science Classrooms/Labs
6. Art Classrooms/Labs
7. Music Classrooms/Practice Areas/Etc.
8. Teacher/Staff Collaborative Planning Areas
9. Student Commons/Break-Out Areas
10. Physical Education/Athletics/Locker Rooms/Pool Etc.
11. Site Suitability: Fields/Green Space, Playgrounds Etc.
12. Parking and Bus Drop-off: Staff/Students/Parents
13. Technology
14. Library/Media Center: Location/Size/Layout
15. Special Education/Support Services
16. Auditoriums/Performing Arts Spaces
17. Career and Technical Education
18. Hallways/Washrooms/Lockers/Maintenance



## Educational Adequacy Color Key



Green

**Adequate** – Meets 4-5 of the Analysis Criteria - including Published Guidelines for School Educational Adequacy



Yellow

**Questionable Adequacy** - Meets only 2-3 of the Analysis Criteria, but may be considered adequate based upon current programming/enrollment and/or size of area.



Red

**Inadequate** – Meets 1 or none of the Analysis Criteria - Is perceived as a significant need by staff

**GROTON PUBLIC SCHOOLS –  
Staff Input Exercise # 1**

**“Areas Needing Improvement”**

**“Areas That are Adequate”**

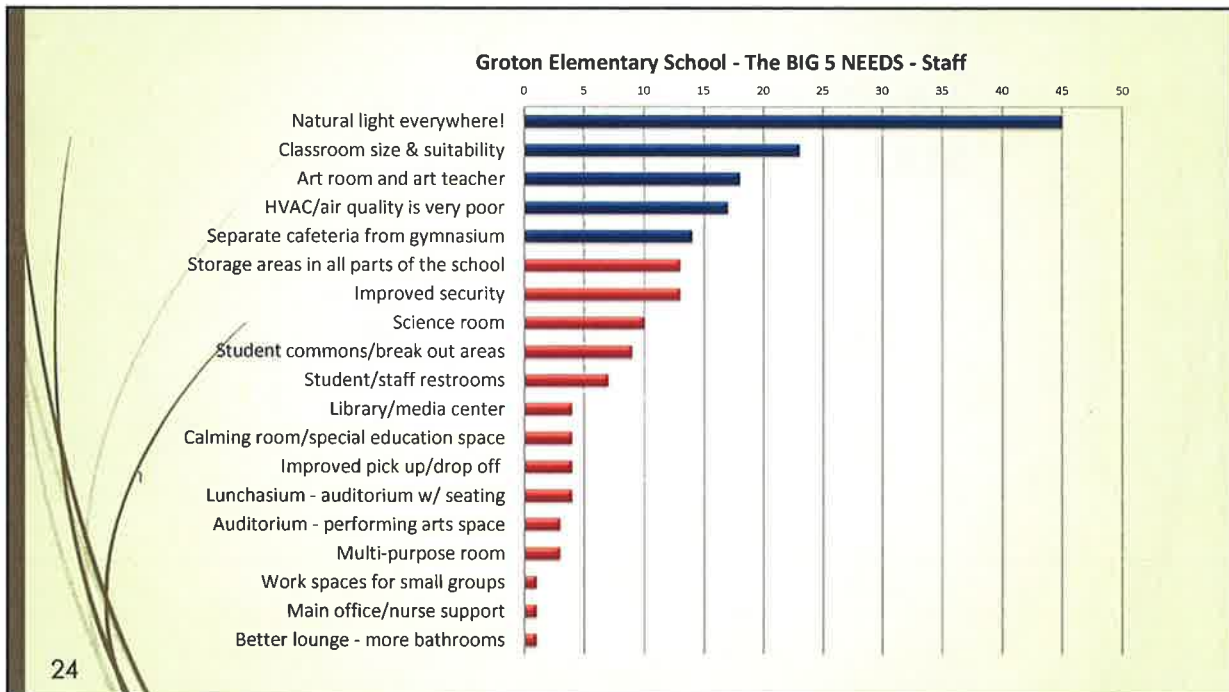
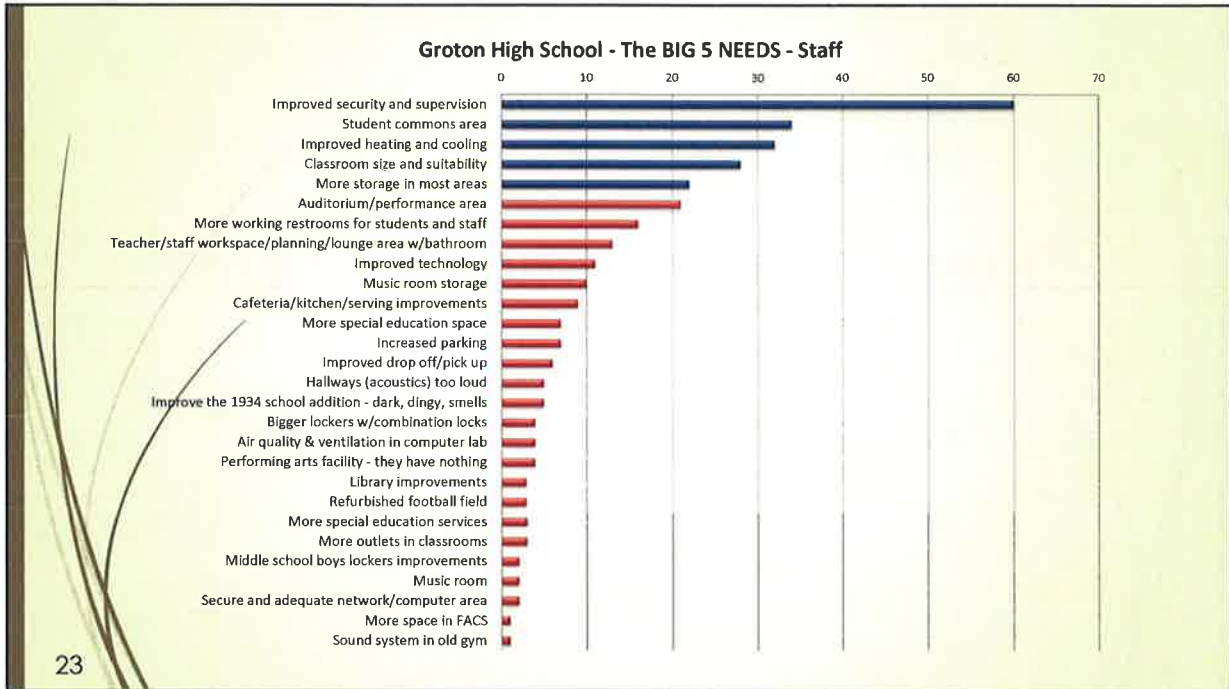
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**GROTON AREA SCHOOLS –  
STAFF EXERCISE #2**

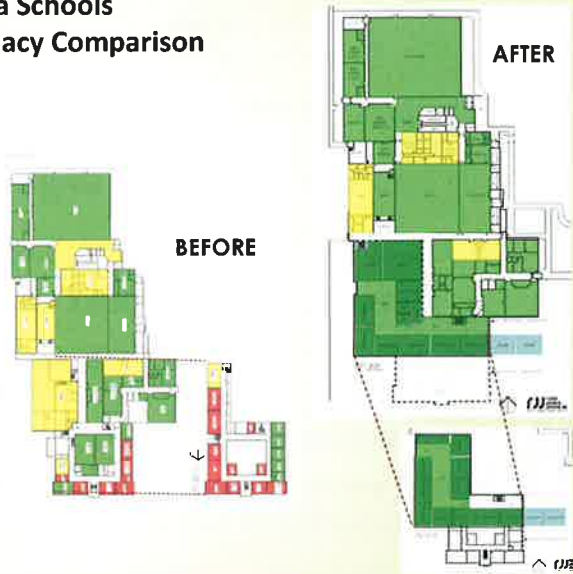
**“Big 5 Needs”**

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### Groton Area Schools Educational Adequacy Comparison

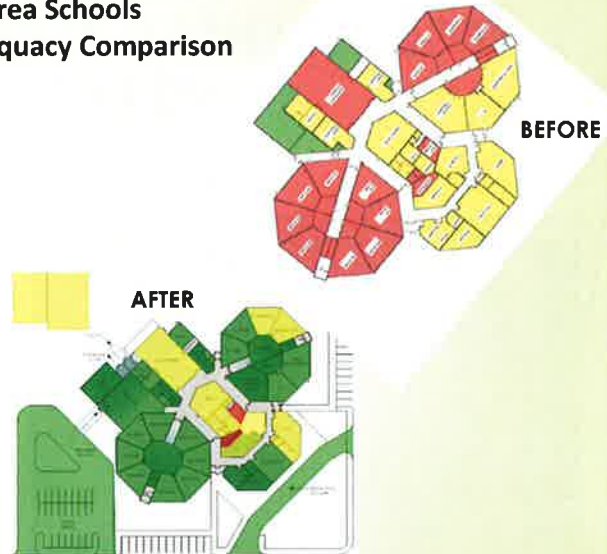
Groton MS/HS - Educational Adequacy - Color Summary		
CATEGORY	COLOR BEFORE	COLOR AFTER
1. Classroom Size and Suitability	R	G
2. Cafeteria/Kitchen/Serving	G	G
3. Security and Supervision	R	G
4. Main Office/Nurse/Support Services	G	G
5. Science Classrooms/Labs	G	G
6. Art Classrooms/Labs	R	G
7. Music Classrooms/Practice Areas/Etc.	Y	Y
8. Staff Lounge/Collaborative Planning Areas	Y	G
9. Student Commons/Break-Out Areas	Y	G
10. Physical Education/Athletics/Locker Rooms/Pool Etc.	G	G
11. Site Suitability: Fields/Green Space/ Storage Etc.	G	G
12. Parking/Bus Drop-Off: Staff/Students/Parents	G	G
13. Technology	G	G
14. Library/Media Center: Location/Size/Layout	G	G
15. Special Education/Support Services	G	G
16. Auditoriums/Performing Arts Spaces	Y	G
17. Career and Technical Education	Y	Y
18. Hallways/Lockers/Washrooms/Maintenance space	Y	G



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### Groton Area Schools Educational Adequacy Comparison

Groton Elementary School - Educational Adequacy - Color Summary		
CATEGORY	COLOR BEFORE	COLOR AFTER
1. Classroom Size and Suitability	R	G
2. Cafeteria/Kitchen/Serving	Y	G
3. Security and Supervision	R	G
4. Main Office/Nurse/Support Services	Y	G
5./6. Science & Art Classrooms/Labs	R	G
7. Music Classroom	Y	Y
8. Staff Lounge/Collaborative Planning Areas	R	Y
9. Student Commons/Break-Out Areas	Y	G
10. Gymnasium	R	Y
11. Site Suitability: Fields/Green Space, Playgrounds Etc.	Y	G
12. Parking and Bus Drop-Off: Staff/Students/Parents	Y	G
13. Technology	Y	Y
14. Library/Media Center: Location/Size/Layout	Y	Y
15. Special Education/Support Services	Y	G
16. Auditoriums/Performing Arts Spaces	R	R
17. Career and Technical Education	NA	NA
18. Hallways/Lockers/Washrooms/Maintenance	Y	G



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## Why is this important?

***This process will lead to a decision that effects our students, staff, district, and the communities it serves, for the next 40+ years. To make an informed decision the Groton Area School Board & Administration:***

- ▶ Are doing their homework & listening to staff **and** stakeholders
- ▶ Will have good solid data for decision making
- ▶ Recognizes that teaching **and** learning strategies have changed since most of the district's building area was constructed
- ▶ Are aware that some significant needs exist in the District's Schools
- ▶ Believes in the lasting future of Groton Area Schools and Communities it serves

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## RECOMMENDED BUILDING IMPROVEMENT MEASURES (BIMs)



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## Recommendations are classified as a: “Space Improvement” or “Infrastructure Improvement”

### Basis of Recommendations:

- 21<sup>st</sup> Century Educational Adequacy
- Stakeholder Listening Sessions & On-Line Survey
- Space Utilization – Demographics
- Life-Cycle & Condition
- Code Compliance
  - 2015 IBC (International Building Code)
  - 2010 ADA Standards for Accessible Design/ADAAG (Americans with Disabilities Act Accessibility Guidelines)
  - ASHRAE Standards and Guidelines; Including Equipment Life Expectancy (American Society of Heating, Refrigeration & Air Conditioning Engineers)

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## Budgets Developed Are All Inclusive

- |  |                               |
|--|-------------------------------|
| ➤ Site Work                              | ➤ Construction Administration |
| ➤ Demolition                             | ➤ Project Management          |
| ➤ Construction Costs                     | ➤ Site Supervision            |
| ➤ Architect                              | ➤ Commissioning               |
| ➤ Engineering                            | ➤ Project Closeout            |
| ➤ General Conditions                     | ➤ SD Excise Tax               |
| ➤ Furnishing, Fixtures & Equipment (FFE) | ➤ Contingency                 |

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## Project Prioritization Committee

Formed May 9<sup>th</sup> to prioritize the Building Improvement Measures (BIMs) presented to the school board and consisted of:

- (3) School board members
- Superintendent
- (2) School board members elect
- Elementary Principal
- Elementary Teacher
- MS/HS Principal
- MS/HS Teacher
- Head of Maintenance



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## Project Prioritization Committee

- Committee had several meetings that resulted in 3 Supplements to the initial recommendations. The final comprehensive report can be viewed on the district website.
- Based on stakeholder input and analysis' data four Scenarios were developed (A – D).
- Scenario A involved no new construction and was eliminated because it did not address educational adequacy and the 21<sup>st</sup> Century education environment.
- Scenario D would have addressed all recommendation reported to the board, but was eliminated because it included "wants".
- Scenario B & C are being presented for feedback because they address the district's education and infrastructure needs well into the future.

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## Scenario B – Middle/High School

### ■ Space Improvements: \$8,510,105

- 1) 1934 Existing Space Improvements - Remodel
- 2) 1957 Classroom Improvements
- 3) Performance Spaces Improvements
- 4) Building Security Improvements
- 5) 1957/68/79 Building Envelope Improvements
- 6) Code Related Issues
- 7) Asbestos Abatement

**Total Scenario B Budget For  
Middle/High School  
Improvements:  
\$11,347,754**

### ■ Infrastructure Improvements: \$2,837,649

- 1) Heating Plant Improvements
- 2) 1957/79 Indoor Air Quality Upgrades
- 3) 1968 Indoor Air Quality Upgrades
- 4) Distribution Upgrades
- 5) Electrical Service Improvements
- 6) New Fire Alarm System
- 7) Tech Ed Shop lighting and controls

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## Scenario B – Elementary School

### ■ Space Improvements: \$3,875,257

- 1) Classroom Space Improvements
- 2) Multi-Use Addition
- 3) Security Improvements
- 4) Revised Bus Drop-off and Pick-up
- 5) Technology Improvements
- 6) Special Ed Space Improvements
- 7) Building Envelope
- 8) Code Related Issues
- 9) Asbestos Abatement
- 10) Classroom Re-Purpose

**Total Scenario B Budget For  
Elementary School  
Improvements:  
\$6,714,751**

### ■ Infrastructure Improvements: \$2,839,494

- 1) Heating Plant Improvements
- 2) 1968 Indoor Air Quality Upgrades
- 3) 1992 Unit Ventilator Replacement
- 4) Electrical Service/Panel Replacements
- 5) New Fire Alarm System

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## Scenario C – Middle/High School

➤ **Space Improvements: \$11,443,338**

- 1) 1934 Demo and New Construction
- 2) Performance Spaces Improvements
- 3) Building Security Improvements
- 4) Code Related Issues
- 5) Asbestos Abatement

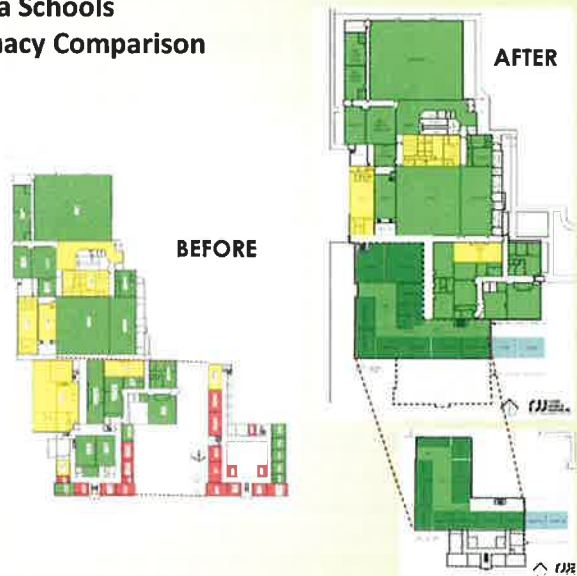
➤ **Infrastructure Improvements: \$2,111,716**

- 1) Heating Plant Improvements
- 2) 1968 Indoor Air Quality Upgrades
- 3) Distribution Upgrades
- 4) Electrical Service Improvements
- 5) New Fire Alarm System

**Total Scenario C Budget For Middle/High School Improvements: \$13,555,044**

### Groton Area Schools Educational Adequacy Comparison

Groton MS/HS - Educational Adequacy - Color Summary		
CATEGORY	COLOR BEFORE	COLOR AFTER
1. Classroom Size and Suitability	R	G
2. Cafeteria/Kitchen/Serving	G	G
3. Security and Supervision	R	G
4. Main Office/Nurse/Support Services	G	G
5. Science Classrooms/Labs	G	G
6. Art Classrooms/Labs	R	G
7. Music Classrooms/Practice Areas/Etc.	Y	Y
8. Staff Lounge/Collaborative Planning Areas	Y	G
9. Student Commons/Break-Out Areas	Y	G
10. Physical Education/Athletics/Locker Rooms/Pool Etc.	G	G
11. Site Suitability: Fields/Green Space/ Storage Etc.	G	G
12. Parking/Bus Drop-Off: Staff/Students/Parents	G	G
13. Technology	G	G
14. Library/Media Center: Location/Size/Layout	G	G
15. Special Education/Support Services	G	G
16. Auditoriums/Performing Arts Spaces	Y	G
17. Career and Technical Education	Y	Y
18. Hallways/Lockers/Washrooms/Maintenance space	Y	G



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## Scenario C – Elementary School

■ **Space Improvements: \$4,187,576**

- 1) Classroom Space Improvements
- 2) Administration/Multi-Use Addition
- 3) Security Improvements
- 4) Parent Drop off/Teacher Parking
- 5) Technology Improvements
- 6) Special Ed Space Improvements
- 7) Building Envelope
- 8) Code Related Issues
- 9) Asbestos Abatement
- 10) Classroom Re-Purpose

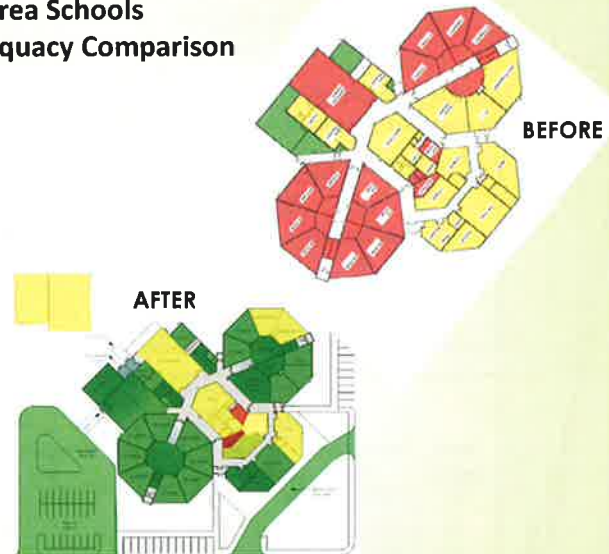
**Total Scenario C Budget For  
Elementary School  
Improvements:  
\$7,027,070**

■ **Infrastructure Improvements: \$2,839,494**

- 1) Heating Plant Improvements
- 2) 1968 Indoor Air Quality Upgrades
- 3) 1992 Unit Ventilator Replacement
- 4) Electrical Service/Panel Replacements
- 5) New Fire Alarm System

### Groton Area Schools Educational Adequacy Comparison

CATEGORY	COLOR BEFORE	COLOR AFTER
1. Classroom Size and Suitability	R	G
2. Cafeteria/Kitchen/Serving	Y	G
3. Security and Supervision	R	G
4. Main Office/Nurse/Support Services	Y	G
5./6. Science & Art Classrooms/Labs	R	G
7. Music Classroom	Y	Y
8. Staff Lounge/Collaborative Planning Areas	R	Y
9. Student Commons/Break-Out Areas	Y	G
10. Gymnasium	R	Y
11. Site Suitability: Fields/Green Space, Playgrounds Etc.	Y	G
12. Parking and Bus Drop-Off: Staff/Students/Parents	Y	G
13. Technology	Y	Y
14. Library/Media Center: Location/Size/Layout	Y	Y
15. Special Education/Support Services	Y	G
16. Auditoriums/Performing Arts Spaces	R	R
17. Career and Technical Education	NA	NA
18. Hallways/Lockers/Washrooms/Maintenance	Y	G



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## PROJECT FUNDING IMPACT



- District is spending \$200,000/year fixing antiquated infrastructure.
- Through expiring debt and the avoided repair costs from a comprehensive project, the district has identified over \$5M in tax neutral funding potential.

## POTENTIAL FUNDING IMPACT

Groton Area Schools  
Project Scenarios Debt Service Projection

Term (years)	Scenario B - Elementary \$6,714,751			Scenario B - HS/MS \$11,347,754			Scenario B - Combined \$18,062,506		
	Annual Pmt P+I	Total Interest Pmt	Interest Rate	Annual Pmt P+I	Total Interest Pmt	Interest Rate	Annual Pmt P+I	Total Interest Pmt	Interest Rate
20	\$453,580	\$2,596,606	2.38%	\$765,227	\$4,379,552	2.38%	\$1,216,698	\$6,963,975	2.38%
25	\$397,706	\$3,497,661	2.55%	\$670,727	\$5,898,197	2.55%	\$1,066,429	\$9,375,749	2.55%
30	\$361,635	\$4,414,039	2.68%	\$609,933	\$7,442,996	2.68%	\$969,593	\$11,827,802	2.68%

Term (years)	Scenario C - Elementary \$7,027,070			Scenario C - HS/MS \$13,255,054			Scenario C - Combined \$20,282,124		
	Annual Pmt P+I	Total Interest Pmt	Interest Rate	Annual Pmt P+I	Total Interest Pmt	Interest Rate	Annual Pmt P+I	Total Interest Pmt	Interest Rate
20	\$474,492	\$2,714,843	2.38%	\$893,696	\$5,118,933	2.38%	\$1,366,141	\$7,822,839	2.38%
25	\$416,099	\$3,657,475	2.55%	\$783,360	\$6,889,014	2.55%	\$1,197,335	\$10,528,395	2.55%
30	\$378,211	\$4,616,353	2.68%	\$712,070	\$8,692,119	2.68%	\$1,088,824	\$13,289,745	2.68%

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## POTENTIAL FUNDING IMPACT

Groton Area Schools  
 Project Scenarios Levy Projection  
 2016 Valuation \$1,233,885,047

Term (years)	Scenario B - Elementary \$6,714,751	Scenario B - HS/MS \$11,347,754	Scenario B - Combined \$18,062,506
	Levy/\$1,000 valuation	Levy/\$1,000 valuation	Levy/\$1,000 valuation
20	\$0.37	\$0.62	\$0.99
25	\$0.32	\$0.54	\$0.86
30	\$0.29	\$0.49	\$0.79

Term (years)	Scenario C - Elementary \$7,027,070	Scenario C - HS/MS \$13,255,054	Scenario C - Combined \$20,282,124
	Levy/\$1,000 valuation	Levy/\$1,000 valuation	Levy/\$1,000 valuation
20	\$0.38	\$0.72	\$1.11
25	\$0.34	\$0.63	\$0.97
30	\$0.31	\$0.58	\$0.88

DOUGHERTY & COMPANY LLC

## POTENTIAL FUNDING IMPACT

Groton Area Schools  
 Project Scenarios Estimated Annual Tax Impact - **Owner Occupied** \*

Home Value	Scenario B - Elementary \$6,714,751			Scenario B - HS/MS \$11,347,754			Scenario B - Combined \$18,062,506		
	20-year	25-year	30-year	20-year	25-year	30-year	20-year	25-year	30-year
\$100,000	\$36.76	\$32.23	\$29.31	\$62.02	\$54.36	\$49.43	\$98.61	\$86.43	\$78.58
\$200,000	\$73.52	\$64.46	\$58.62	\$124.04	\$108.72	\$98.86	\$197.21	\$172.86	\$157.16
\$300,000	\$110.28	\$96.70	\$87.93	\$186.05	\$163.08	\$148.30	\$295.82	\$259.29	\$235.74
\$400,000	\$147.04	\$128.93	\$117.23	\$248.07	\$217.44	\$197.73	\$394.43	\$345.71	\$314.32
\$500,000	\$183.80	\$161.16	\$146.54	\$310.09	\$271.79	\$247.16	\$493.04	\$432.14	\$392.90

Home Value	Scenario C - Elementary \$7,027,070			Scenario C - HS/MS \$13,255,054			Scenario C - Combined \$20,282,124		
	20-year	25-year	30-year	20-year	25-year	30-year	20-year	25-year	30-year
\$100,000	\$38.46	\$33.72	\$30.65	\$72.43	\$63.49	\$57.71	\$110.72	\$97.04	\$88.24
\$200,000	\$76.91	\$67.45	\$61.30	\$144.86	\$126.97	\$115.42	\$221.44	\$194.08	\$176.49
\$300,000	\$115.37	\$101.17	\$91.96	\$217.29	\$190.46	\$173.13	\$332.16	\$291.11	\$264.73
\$400,000	\$153.82	\$134.89	\$122.61	\$289.72	\$253.95	\$230.84	\$442.87	\$388.15	\$352.97
\$500,000	\$192.28	\$168.61	\$153.26	\$362.15	\$317.44	\$288.55	\$553.59	\$485.19	\$441.22

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## POTENTIAL FUNDING IMPACT

Groton Area Schools

Project Scenarios Estimated Annual Tax Impact - **Agricultural**

Value per Acre	Scenario B - Elementary \$6,714,751			Scenario B - HS/MS \$11,347,754			Scenario B - Combined \$18,062,506		
	20-year	25-year	30-year	20-year	25-year	30-year	20-year	25-year	30-year
\$1,000	\$0.37	\$0.32	\$0.29	\$0.62	\$0.54	\$0.49	\$0.99	\$0.86	\$0.79
\$2,000	\$0.74	\$0.64	\$0.59	\$1.24	\$1.09	\$0.99	\$1.97	\$1.73	\$1.57
\$3,000	\$1.10	\$0.97	\$0.88	\$1.86	\$1.63	\$1.48	\$2.96	\$2.59	\$2.36
\$4,000	\$1.47	\$1.29	\$1.17	\$2.48	\$2.17	\$1.98	\$3.94	\$3.46	\$3.14
\$5,000	\$1.84	\$1.61	\$1.47	\$3.10	\$2.72	\$2.47	\$4.93	\$4.32	\$3.93

Value per Acre	Scenario C - Elementary \$7,027,070			Scenario C - HS/MS \$13,255,054			Scenario C - Combined \$20,282,124		
	20-year	25-year	30-year	20-year	25-year	30-year	20-year	25-year	30-year
\$1,000	\$0.38	\$0.34	\$0.31	\$0.72	\$0.63	\$0.58	\$1.11	\$0.97	\$0.88
\$2,000	\$0.77	\$0.67	\$0.61	\$1.45	\$1.27	\$1.15	\$2.21	\$1.94	\$1.76
\$3,000	\$1.15	\$1.01	\$0.92	\$2.17	\$1.90	\$1.73	\$3.32	\$2.91	\$2.65
\$4,000	\$1.54	\$1.35	\$1.23	\$2.90	\$2.54	\$2.31	\$4.43	\$3.88	\$3.53
\$5,000	\$1.92	\$1.69	\$1.53	\$3.62	\$3.17	\$2.89	\$5.54	\$4.85	\$4.41

DOUGHERTY & COMPANY LLC

## POTENTIAL FUNDING IMPACT

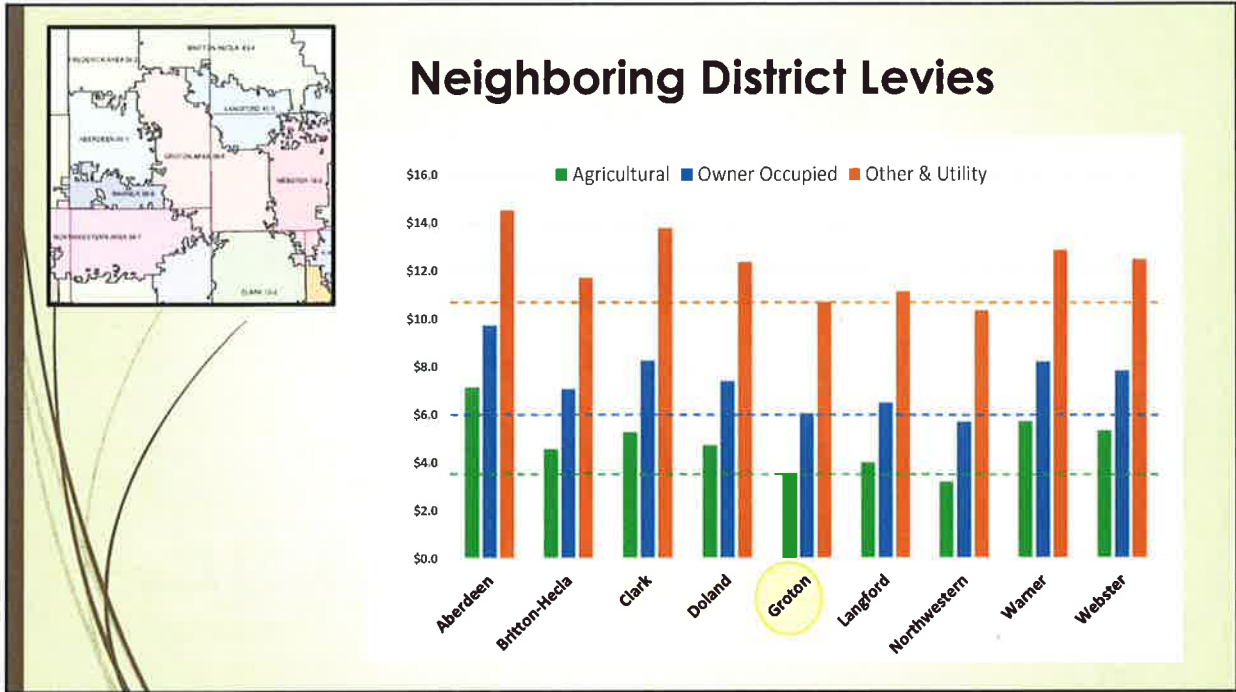
Groton Area Schools

Project Scenarios Estimated Annual Tax Impact - **Non-Ag & Utility**

Value	Scenario B - Elementary \$6,714,751			Scenario B - HS/MS \$11,347,754			Scenario B - Combined \$18,062,506		
	20-year	25-year	30-year	20-year	25-year	30-year	20-year	25-year	30-year
\$40,000	\$14.70	\$12.89	\$11.72	\$24.81	\$21.74	\$19.77	\$39.44	\$34.57	\$31.43
\$80,000	\$29.41	\$25.79	\$23.45	\$49.61	\$43.49	\$39.55	\$78.89	\$69.14	\$62.86
\$120,000	\$44.11	\$38.68	\$35.17	\$74.42	\$65.23	\$59.32	\$118.33	\$103.71	\$94.30
\$160,000	\$58.82	\$51.57	\$46.89	\$99.23	\$86.97	\$79.09	\$157.77	\$138.29	\$125.73
\$200,000	\$73.52	\$64.46	\$58.62	\$124.04	\$108.72	\$98.86	\$197.21	\$172.86	\$157.16

Value	Scenario C - Elementary \$7,027,070			Scenario C - HS/MS \$13,255,054			Scenario C - Combined \$20,282,124		
	20-year	25-year	30-year	20-year	25-year	30-year	20-year	25-year	30-year
\$40,000	\$15.38	\$13.49	\$12.26	\$28.97	\$25.39	\$23.08	\$44.29	\$38.82	\$35.30
\$80,000	\$30.76	\$26.98	\$24.52	\$57.94	\$50.79	\$46.17	\$88.57	\$77.63	\$70.59
\$120,000	\$46.15	\$40.47	\$36.78	\$86.92	\$76.18	\$69.25	\$132.86	\$116.45	\$105.89
\$160,000	\$61.53	\$53.96	\$49.04	\$115.89	\$101.58	\$92.34	\$177.15	\$155.26	\$141.19
\$200,000	\$76.91	\$67.45	\$61.30	\$144.86	\$126.97	\$115.42	\$221.44	\$194.08	\$176.49

DOUGHERTY & COMPANY LLC



# Questions? Comments? Feedback?

**QUESTIONS**

Don't forget to leave your comments!

**YOUR FEEDBACK MATTERS**



*Thank You For Your  
Time & Feedback!*

