Referendum November 5, 2019
Flemington-Raritan Regional School District
Our Facilities:
Rooftop Needs & Enrollment

Kari McGann, Superintendent of Schools
Stephanie Voorhees, District Business Administrator
Jim Shumate, Director of Facilities and Grounds
J.P. Case Middle School

May 17, 2019 school facilities project approved by the state of New Jersey for preliminary eligible costs $1,740,425 for facility upgrades including health and safety, security, and site and building external upgrades.

June 19, 2019 school facilities project approved by the state of New Jersey for final eligible costs.
Reading-Flemington Intermediate School

May 17, 2019 school facilities project approval by the state of New Jersey for preliminary eligible costs $13,829,023.

July 18, 2019 approval from the State of New Jersey schools development Authority for upgrades for health and safety, security, HVAC, dehumidification, and site and exterior building upgrades and repairs.
Copper Hill Elementary School

May 17, 2019 School facilities project approval By the state of NJ for facilities upgrade including safety and security, site and building upgrades, & dehumidification $6,059,120.

July 8, 2019 approval from the State of New Jersey schools development Authority for Copper Hill Elementary school.
Robert Hunter Elementary School

May 17th, 2019 - School Facilities Project Approval by the State of New Jersey for Preliminary Eligible Costs Robert Hunter Elementary School $7,486,988 (Facility upgrades including health and safety, security, and site and building envelope, Heating, Ventilation, & Air Conditioning, and dehumidification system.)

June 19, 2019 - School facilities project approval By the state of NJ for facilities upgrade including safety and security, site and building upgrades, HVAC, & dehumidification.
Barley Sheaf Elementary School

May 17th, 2019 - School Facilities Project Approval by the State of New Jersey for Preliminary Eligible Costs Barley Sheaf Elementary School $6,548,422.00 (Facility upgrades including health and safety, security, Heating, Ventilation, & Air Conditioning, dehumidification, and site and exterior building upgrades.

June 19th, 2019 - School Facilities Project Approval by the State of New Jersey for Final Eligible Costs Barley Sheaf Elementary School.
Francis A. Desmares Elementary School

May 17th, 2019 - School Facilities Project Approval by the State of New Jersey for Preliminary Eligible Costs Francis A. Desmares Elementary School $6,399,358 (Facility upgrades including health and safety, security, Heating, Ventilation, & Air Conditioning, dehumidification, and site and exterior building upgrades.)

June 19th, 2019 - School Facilities Project Approval by the State of New Jersey for Final Eligible Costs Francis A. Desmares Elementary School.
To demonstrate long range facility implementation steps previously undertaken to support rooftop replacement and to highlight repairs and rooftop replacement that is still needed in five of the six school facilities.

Why Aerial Drone Footage of District Schools’ Rooftops?
Francis A. Desmares
Elementary School
Rooftop Needs
Francis A. Desmares Elementary School rooftop. Q1 on the referendum replaces the sections that need repair so no leaks occur. Sections of FAD have been replaced in the past following the long range facilities plan. Money from surplus has replaced one large section.
Francis A. Desmares Elementary School rooftop; notice worn away sections. Q1 on the referendum replaces the sections that need repair so no leaks occur.
Another section of Francis A. Desmares rooftop that needs to be replaced. Notice the worn away sections.
Robert Hunter Elementary School
Rooftop Needs
Robert Hunter Rooftop; black section rooftop has been repaired with patches following the long-range facility plans. The entire roof needs to be replaced.
Robert Hunter Elementary School rooftop. Q1 on the referendum replaces the sections that need repair so no leaks occur. Sections of Robert Hunter have been replaced in the past following the long range facilities plan. Money from surplus has replaced one large section.
Copper Hill Elementary School

Rooftop Needs
Copper Hill Elementary School rooftop. Q1 on the referendum replaces the sections that need repair so no leaks occur. Sections of Copper Hill have been replaced in the past following the long range facilities plan. Money from surplus has replaced one large section.
Copper Hill Rooftop; white rooftop has been replaced following the long-range facility plans and money from surplus. The black rooftop section still needs to be replaced. Notice discoloration where repairs are needed.
Reading-Fleming Intermediate School

Rooftop Needs
Reading-Fleming Intermediate School rooftop. Q1 on the referendum replaces the sections that need repair so no leaks occur. Sections of RFIS have been replaced in the past following the long range facilities plan. Money from surplus has replaced large sections.
Reading-Fleming Intermediate School rooftop. Q1 on the referendum replaces the sections that need repair so no leaks occur. Notice the graffiti on the rooftop. Q1 on the referendum also supplies additional cameras and security options.

This entire section of the rooftop at RFIS must be replaced.

Notice all the patches.

Notice all the graffiti.
Barley Sheaf Elementary School
Rooftop Needs
Barley Sheaf Rooftop; white rooftop has been replaced following the long-range facility plans and money from surplus. The black rooftop section still needs to be replaced.
Barley Sheaf Elementary School rooftop; notice worn away sections. This rooftop needs to be replaced. Q1 on the referendum replaces Barley Sheaf’s rooftop so no leaks occur.
Barley Sheaf rooftop has sections that have been repaired and replaced. The white section of the rooftop has already been replaced following the long-range facility plans and using money from surplus.
Flemington-Raritan Regional School District
Housing Developments Approved by Raritan Township;
Original presentation to BOE on 11/26/18
Flemington-Raritan Regional School District

Previous Enrollment Projections (Presentation Fall 2018)

<table>
<thead>
<tr>
<th>School</th>
<th>Actual Enrollment (3,088)</th>
<th>Enrollment in July, 2019 (3,043)</th>
<th>Enrollment in July, 2018 (3,038)</th>
</tr>
</thead>
<tbody>
<tr>
<td>J.P. Case Middle School</td>
<td>775</td>
<td>778</td>
<td>795</td>
</tr>
<tr>
<td>Reading-Fleming Intermediate</td>
<td>657</td>
<td>651</td>
<td>659</td>
</tr>
<tr>
<td>Barley Sheaf</td>
<td>345</td>
<td>343</td>
<td>351</td>
</tr>
<tr>
<td>Francis A. Desmares</td>
<td>462</td>
<td>444</td>
<td>441</td>
</tr>
<tr>
<td>Robert Hunter</td>
<td>399</td>
<td>392</td>
<td>373</td>
</tr>
<tr>
<td>Copper Hill</td>
<td>436</td>
<td>412</td>
<td>403</td>
</tr>
<tr>
<td>Out of District</td>
<td>13</td>
<td>13</td>
<td>16</td>
</tr>
</tbody>
</table>
Dr. Richard S. Grip, Ed.D.’s services will be able to “include a separate section that will include apartments.” Information requested from the demographer will include data about the projected number of apartments and time of opening, as well as statistical information regarding projections.

Statistical Forecasting has completed demographic studies for more than 125 school districts in the State of New Jersey. “This is our specialty; this is the only type of work we do. To project enrollments, we use the cohort-survival ratio method, which is approved by the New Jersey Department of Education (“NJDOE”)

Examples: East Brunswick; West Windsor; School District of the Chathams; Princeton; New York City Schools; FRSD; Hopewell; Bridgewater Raritan; Clinton...
Flemington-Raritan Regional School District Demographer’s Report

Scope of Services:
Demographic Study ($5,800 w/ Skype Presentation)
- Community Overviews
- Live Birth Data
- Historical Enrollment Data
- Self-Contained Special Education
- Enrollment Projections
- Housing Growth
- Capacity Analysis
- Home Sales

Projections by Elementary School (Birth data from 2004-2017 by attendance area will be used to project the number of kindergarten students through 2022 at each elementary school. Birth data will be mapped by census block, census tract, or attendance area for 2004 and 2017 to show the change in birth counts over this time period.) ($2,200)

Shapefile Creation (create shapefiles of the elementary boundaries for use in a mapping software program. The shapefiles would be necessary to show the relative number of births in each attendance zone.) ($1,600)

Detailed Housing Analysis (compute student yields explicitly based on Flemington and Raritan housing data, which would be most useful if the communities have a large number of new housing units planned.) ($4,300)
Scope of Services:

**GIS Mapping** (Geocode (electronically pin-map) student addresses from the 2014-15 and 2019-20 school years. Locations of where students live; student population by census to determine fewest and greatest number of students reside; student density by block or tract; number of students per housing unit by census block/tract.) ($1,700)

**Race & Poverty Analysis** (The racial distribution of students will be compared at two time points, 2014-15 and 2019-20, to determine if there has been a shift in racial composition in the district. Enrollments by race will be analyzed not only for the entire district, but by school as well. As a proxy for measuring poverty in the school district, counts of students receiving free or reduced lunch will be compiled by school for 2014-15 through 2019-20. This will aid in determining whether there are any trends, either increasing or decreasing, in the percentage of students in poverty.) ($1,800)

**Housing Turnover Analysis** (To analyze the existing housing turnover rate, parcel-level data of approximately 7,200 owner-occupied housing units in Raritan and 700 units in Flemington (not including apartments) will be combined with student address data, the latter to be provided by the district.) ($6,000)
Questions? Comments? Wonderings?

Referendum November 5, 2019
Flemington-Raritan Regional School District
Our Facilities: Rooftop Needs & Enrollment

Kari McGann, Superintendent of Schools
Stephanie Voorhees, District Business Administrator
Jim Shumate, Director of Facilities and Grounds