Welcome

Attendance Area Committee

July 9, 2013

Linda Wise
Deputy Superintendent
HCPSS

June Wilson
Professional and Organizational Development
HCPSS

Outcomes

- Deepen understanding of HCPSS redistricting process

- Create alternative redistricting scenarios

- Select alternative redistricting scenarios to recommend to Superintendent

Your Role in Process

- Familiarize yourself with
  - Feasibility Study
  - Middle school attending area maps
  - Planning polygon map

- Work collaboratively with group to develop alternative redistricting scenarios

Norms

- Ensure equity of voice.

- Begin and end on time.

- Respect difference of opinions.

- Listen and speak with an open mind.

Methods of Communication

➢ Committee material goes on web
- PowerPoint
- Summary
- Archives

➢ Outreach
- Online web form
- Email & letters to boe@hcpss.org will not be tabulated
- Engagement exercises

Introductions

- Find the person who has the same letter on their table tent.

- Get to know this person.

- Introduce this person and share something you have learned about them.

Committee Schedule

- July 9   Introduction / Develop Scenarios

- July 16   Develop Scenarios (7:30 PM)

- July 23   Develop Scenarios

- July 30   Plan Evaluation (7:30 PM)

- August 6   Finalize Recommendation

Redistricting Schedule

- June 13, 2013: Feasibility Study

- **July – August: AAC meetings**

- **September 10th & 11th: Regional Meetings**

- October 24, 2013: Final staff plan

- November 5th – November 19th: BOE Meetings

- November 21, 2013: BOE votes

- November 2013 – June 2014: Transition Process

- August 2014: MS # 20 Opens

Meeting Agenda

- Outcomes and Your Role

- Introductions

- Schedule

- Policy and Implementation

- Developing Alternative Redistricting Scenarios

- Next steps

Joel Gallihue
Manager of School Planning
HCPSS

School Planning Office

- Measure and project enrollment growth

- Monitor residential development

- Balance use of existing facilities
  - Redistricting
  - Program location

- Plan for capital needs
  - Additions / Renovations
  - New sites
  - New facilities

Policy 6010
Redistricting Process

- Policy 6010 - School Attendance Areas
  - In binder (second tab)
  - HCPSS website
    (www.hcpss.org/board/policies/6010.pdf)

- Decision-making
  - Staff analyses
  - Public advice and comment
  - Superintendent recommendation
  - Board of Education decision

Reasons for considering redistricting for 2014

- A new school or addition is scheduled to open.

- Enrollment projections are below 90% or above 110% utilization of capacity.

Considerations

- Educational welfare of students at sending and receiving schools

- Frequency with which students are redistricted

- Number of students bused and the distance bused students travel

- Cost

- The demographic makeup and academic performance of students in both the sending and receiving schools

- Number of students to be redistricted

Considerations

- Maintenance of feeder patterns of 15% or greater, where possible

- Changes in a school's program capacity

- Impact on specialized or regional programs

- Functional and operational capacity of school infrastructures

- Building utilization between 90% and 110%, where possible

Definitions

- Feed – The percentage of students in the receiving school that come from a sending school of a lower organizational level. (Policy goal is 15% or better)

- Maximum Target Enrollment – 110% of the program capacity of a school facility

- Minimum Target Enrollment – 90% of the program capacity of a school facility
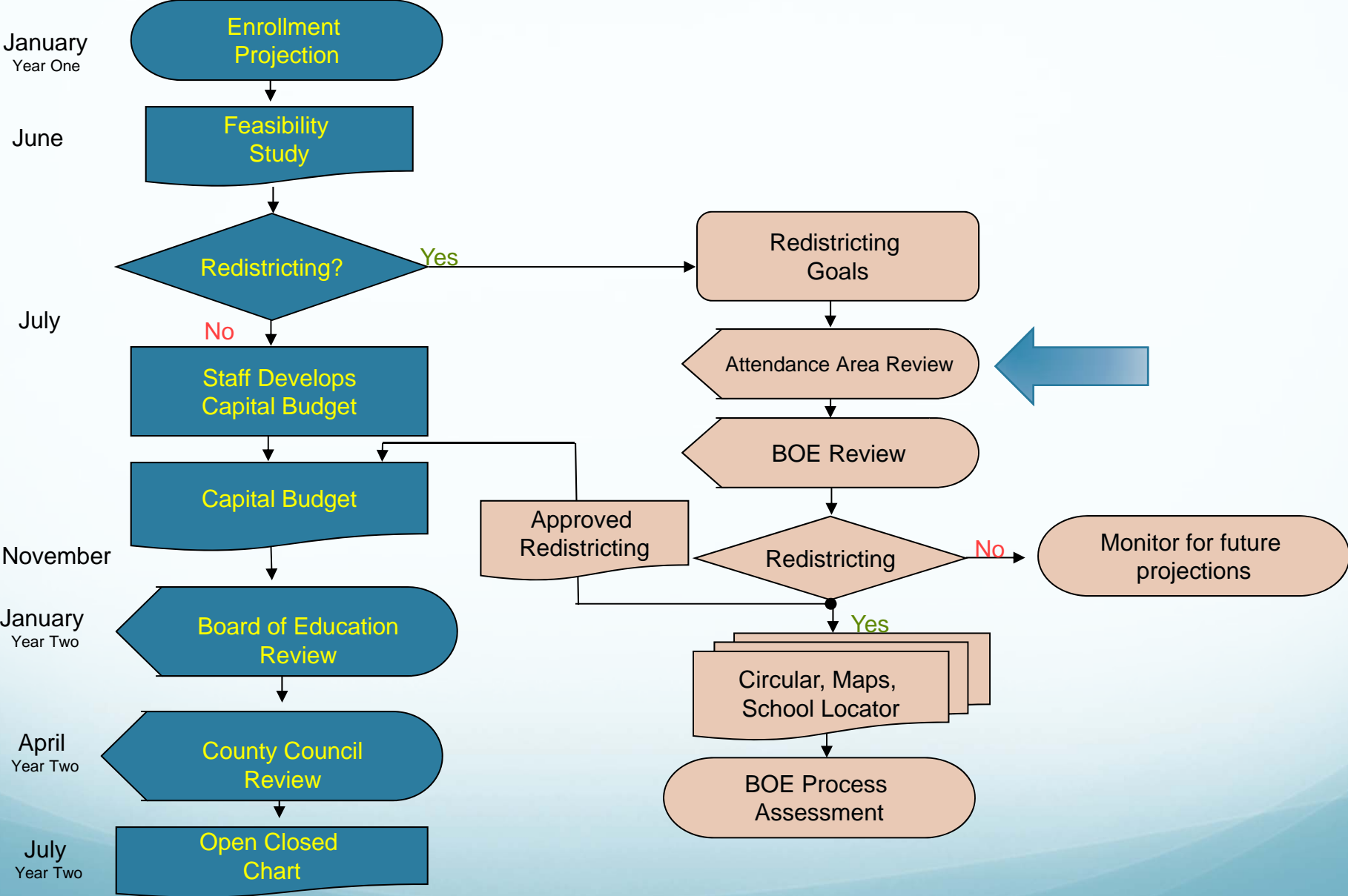
- Middle school capacity: The product of the Board-approved student-to-teacher ratio and the number of teaching stations times 95%   20.5 x # stations x .95 = capacity

School	Current	Revised	Net Change
Bonnie Branch MS	662	662	0
Burleigh Manor MS	662	779	117
Clarksville MS	662	643	-19
Dunloggin MS	526	565	39
Elkridge Landing MS	**662**	**779**	**117**
Ellicott Mills MS	662	662	0
Folly Quarter MS	662	662	0
Glenwood MS	584	545	-39
Hammond MS	**584**	**604**	**20**
Harper's Choice MS	506	506	0
Lake Elkhorn MS	584	643	59
Lime Kiln MS	701	701	0
Mayfield Woods MS	**682**	**798**	**116**
Mount View MS	662	798	136
Murray Hill MS	**662**	**662**	**0**
Oakland Mills MS	506	506	0
Patapsco MS	662	643	-19
Patuxent Valley MS	**662**	**760**	**98**
Wilde Lake MS	506	467	-39
Total	**11799**	**12385**	**586**

- Planning Region – A geographic area of Howard County made up of one or more schools used by the Department of Education (MSDE) for planning purposes.

- School Attendance Area – Geographic area from which a school's students are drawn.

Capital Budget / Redistricting Process

January *Year One* — Enrollment Projection

June — Feasibility Study

Redistricting?
- Yes → Redistricting Goals
- No ↓

July — Staff Develops Capital Budget

Capital Budget

November — Capital Budget

January *Year Two* — Board of Education Review

April *Year Two* — County Council Review

July *Year Two* — Open Closed Chart

Redistricting Goals → Attendance Area Review → BOE Review → Redistricting
- No → Monitor for future projections
- Yes ↓

Approved Redistricting

Circular, Maps, School Locator

BOE Process Assessment

Projection Method

- Track effects for "cohorts," or age groups

- Model at school level to capture local trends

- Repeat annually and adjust based upon experience

Cohort Example

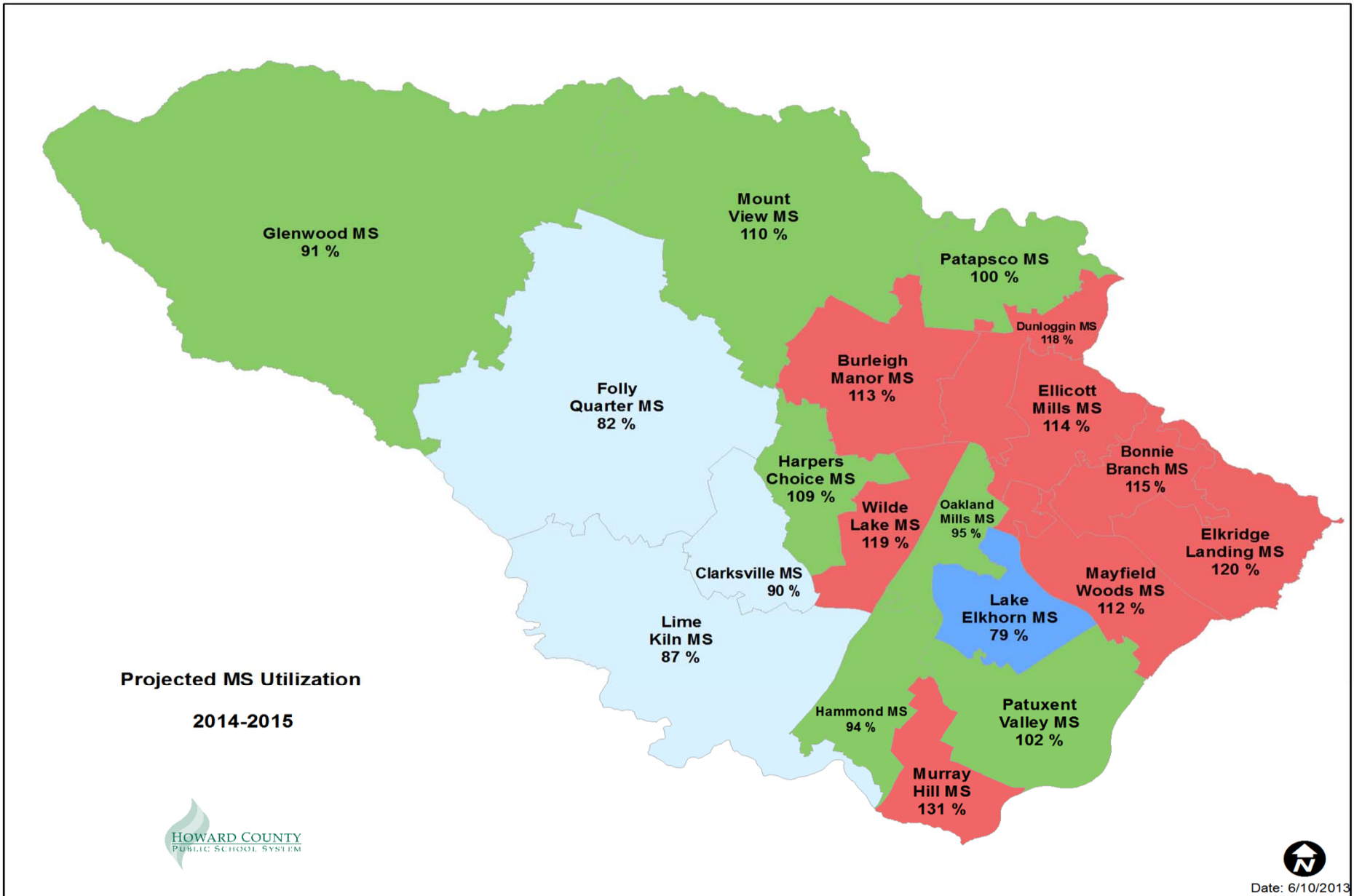|	A	B	C	D	E	F	G	H	I	J
1st Projected Year:		**2009**					School:	**Atholton ES**		
Attending Population			Projected ----->							
By Sept. 30, ->		2008	2009	2010	2011	2012	2013	2014	2015	2016
K		76	73	73	73	73	73	73	73	73
1		64	77	74	75	74	75	75	75	75
2		76	63	78	74	75	75	75	75	75
3		60	81	67	83	79	80	80	80	80
4		67	65	85	71	87	83	84	84	84
5		72	68	67	85	72	88	84	85	85
Tot		415	427	444	461	460	474	471	472	472
Utilization %			110	115	119	119	122	122	122	122

June 2013 Feasibility Study

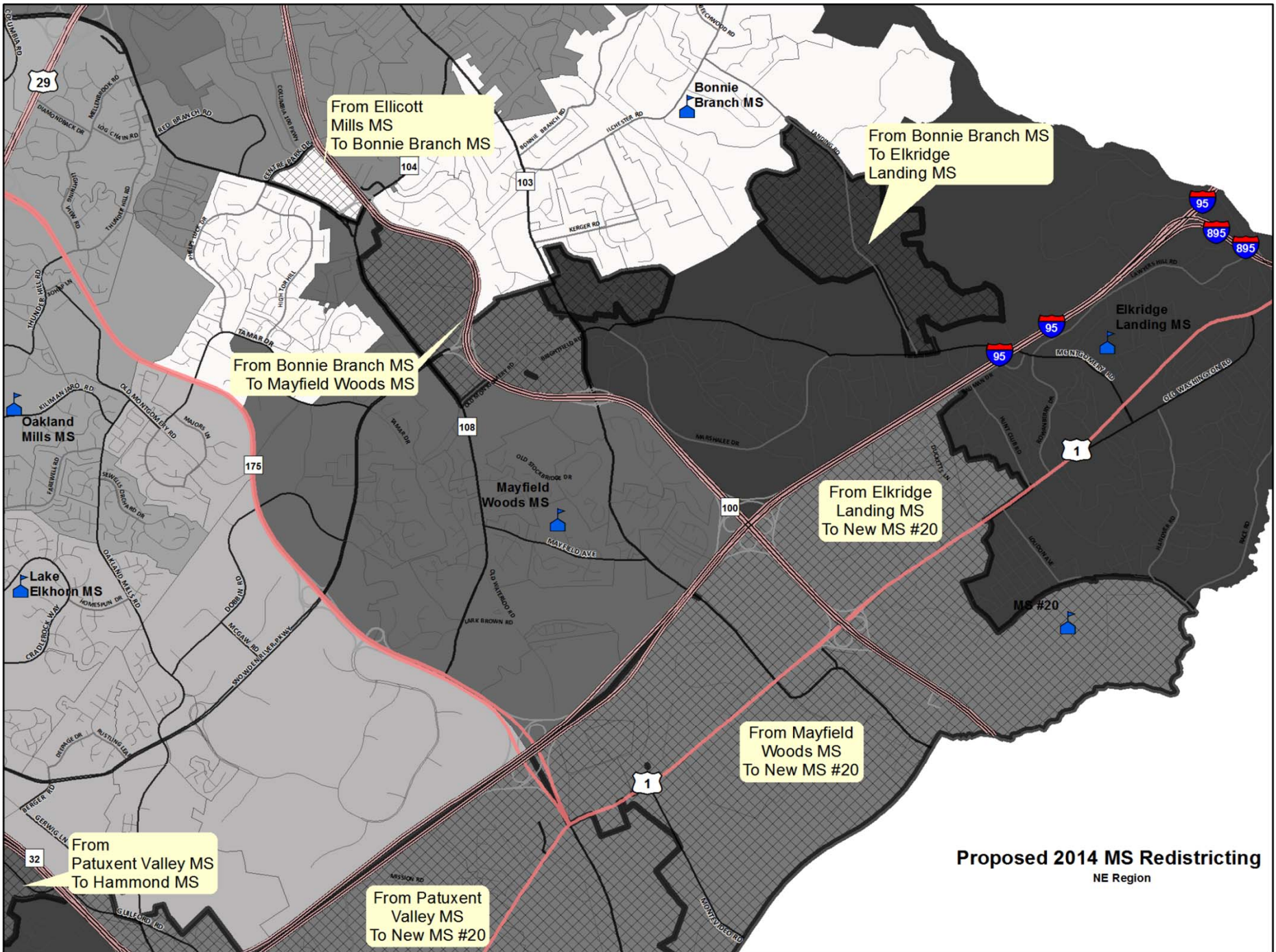- http://www.hcpss.org/boundarylines/

- Presents projections for all levels

- Evaluates planning trends

- Recommends redistricting in 2014

- Presents long range plan
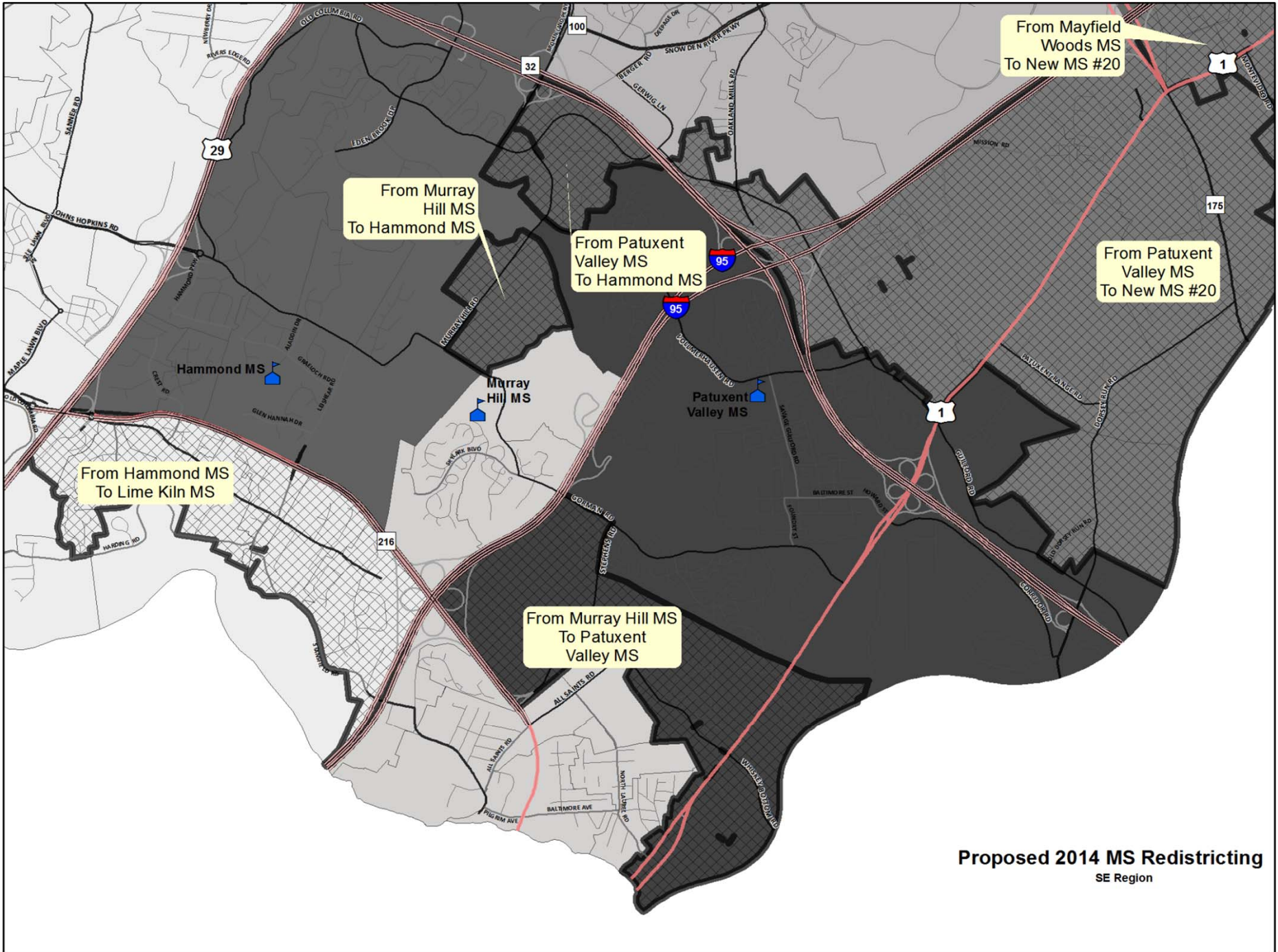
Thinking Differently

- Longer-term redistricting planning
  - **Pause from recent cycle**
  - **Incorporate feedback in procedures and policy**

- Continue capacity evaluation
  - **Look at Elementary School level**

- Update methodology
  - **Improve enrollment projection process**
  - **Replace existing database tools with spatially enabled methods**

Middle School # 20 - Need

Glenwood MS
91 %

Mount View MS
110 %

Patapsco MS
100 %

Dunloggin MS
118 %

Folly Quarter MS
82 %

Burleigh Manor MS
113 %

Ellicott Mills MS
114 %

Bonnie Branch MS
115 %

Harpers Choice MS
109 %

Wilde Lake MS
119 %

Oakland Mills MS
95 %

Elkridge Landing MS
120 %

Clarksville MS
90 %

Mayfield Woods MS
112 %

Lime Kiln MS
87 %

Lake Elkhorn MS
79 %

Projected MS Utilization

2014-2015

Hammond MS
94 %

Patuxent Valley MS
102 %

Murray Hill MS
131 %

HOWARD COUNTY
PUBLIC SCHOOL SYSTEM

Date: 6/10/2013

From Ellicott
Mills MS
To Bonnie Branch MS

Bonnie
Branch MS

From Bonnie Branch MS
To Elkridge
Landing MS

From Bonnie Branch MS
To Mayfield Woods MS

Elkridge
Landing MS

Oakland
Mills MS

Mayfield
Woods MS

From Elkridge
Landing MS
To New MS #20

Lake
Elkhorn MS

MS #20

From Mayfield
Woods MS
To New MS #20

Proposed 2014 MS Redistricting
NE Region

From
Patuxent Valley MS
To Hammond MS

From Patuxent
Valley MS
To New MS #20

From Mayfield
Woods MS
To New MS #20

From Murray
Hill MS
To Hammond MS

From Patuxent
Valley MS
To Hammond MS

From Patuxent
Valley MS
To New MS #20

From Hammond MS
To Lime Kiln MS

Hammond MS

Murray
Hill MS

Patuxent
Valley MS

From Murray Hill MS
To Patuxent
Valley MS

Proposed 2014 MS Redistricting
SE Region

2014 Utilization- Post Measures

Glenwood MS
98%

Mount View MS
91%

Patapsco MS
102%

Dunloggin MS
110%

Folly Quarter MS
82%

Burleigh Manor MS
96%

Ellicott Mills MS
114%

Bonnie Branch MS
89%

Harpers Choice MS
109%

Oakland Mills MS
95%

Elkridge Landing MS
90%

Clarksville MS
92%

Wilde Lake MS
128%

Mayfield Woods MS
90%

Lake Elkhorn MS
72%

New MS #20
76%

Lime Kiln MS
111%

Hammond MS
78%
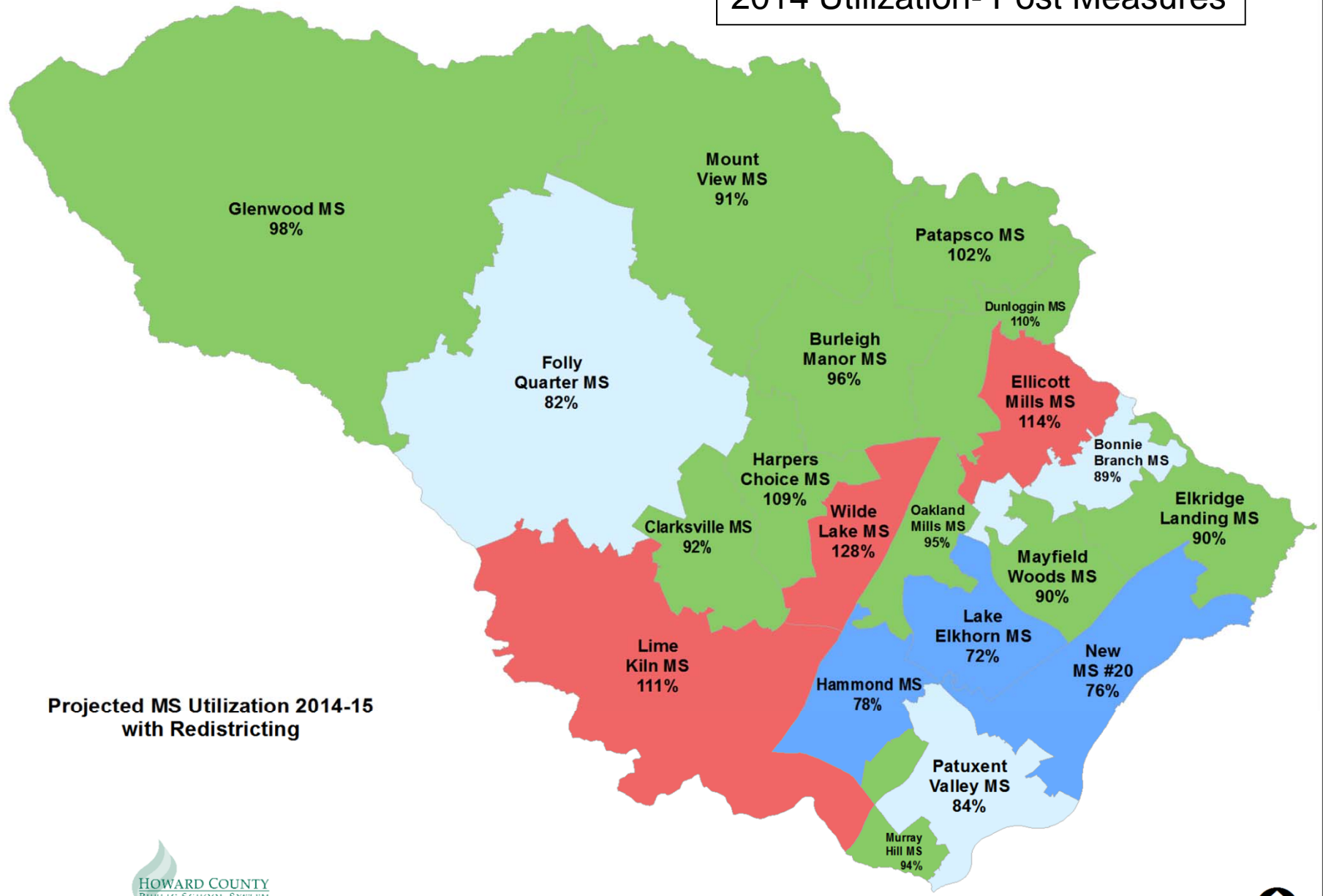
Projected MS Utilization 2014-15 with Redistricting

Patuxent Valley MS
84%

Murray Hill MS
94%

HOWARD COUNTY
PUBLIC SCHOOL SYSTEM

Date: 6/10/2013

Strengths/Weaknesses of Plan

- **Minimizes students moved**
  - **Appx. 50% fewer than 2012 plan**

- **Creates strong feeds at four schools**
  - **ELMS, MHMS, HMS and PVMS elementary feeders reduced from 16 to 8**

- **Doesn't address Ellicott Mills MS overcrowding**

Redistricting Method

- Planning polygons
  - Geographic units of 100 or fewer elementary students
  - Associate projection data to each polygon

- Scenarios are made by changing assignments of polygons

- Reports assess the effects of the scenario based upon considerations in policy

Tools for developing scenarios

- Policy

- Feasibility Study & Supplement

- Planning Polygon Summary

- Feasibility Study Redistricting Map

- Current MS Attending Area Map

- Geographic Information System (GIS)

- Scenario testing software

Let's try it out

- Set a goal for improving plan

  Use pre- and post- charts in Feasibility Study pages 38 & 41

- Identify a specific change (Move which polygons?)

  Use Planning Polygon Report (Listed numerically by school)

- Test change in Whiffer

- View in map

- Discuss results

Directions for Table

- Small group at each table
  - Discuss a goal for improving plan
  - Identify a specific change (Move which polygons?)
    Use Planning Polygon Report (Listed numerically by school)
  - Note changes and give to staff for entry

- Entire Committee:
  - View two scenarios in map
  - Discuss results

Ken Roey
Executive Director, Facilities Planning and Management
HCPSS

Homework

- **Review Material in Binder**

  Focus on 2013 Feasibility Study

- **Use resources to identify potential changes**

- **Return next week at 7:30 PM with ideas for your table**

Questions
Comments