PLANNING FOR THE FUTURE
18/19 Enrollment Analysis

Presented May 2019
Discussion Points

- Introduction
- Enrollment and Demographics (Part One)
  - Key Considerations
  - Maps: Planning Areas and Attendance Areas
  - Sophisticated Forecast Model (SFM)
  - Demographics
  - Past Enrollment and Change
  - Baseline Maps and Data
- Development (Part Two)
  - Population, Development, and Enrollment Trends
  - Yield Rate of Students
  - Maps and Data
- Enrollment Projections (Part Three)
  - Past, Current, Future Enrollment
  - Building Projections
- Moving Forward (Part Four)
  - Next Steps
# About RSP

- Founded in 2003
- Professional educational planning firm
- Expertise in multiple disciplines
- Over 20 Years of planning experience
- Over 80 years of education experience
- Over 20 years of GIS experience
- Clients in Arkansas, Iowa, Illinois, Kansas, Minnesota, Missouri, Nebraska, North Dakota, Oklahoma, and Wisconsin
- Projection accuracy of 97% or greater

## Planning

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert Schwarz</td>
<td>CEO, AICP, REFP, ALEP, CEFP</td>
</tr>
<tr>
<td>Grant Lang</td>
<td>Planning Coordinator</td>
</tr>
</tbody>
</table>

## Educators

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay Guthmiller</td>
<td>Education Planner</td>
</tr>
<tr>
<td>Craig Menozzi</td>
<td>Education Planner</td>
</tr>
<tr>
<td>David Stoakes</td>
<td>Education Planner, EdD</td>
</tr>
<tr>
<td>Dave Wilkerson</td>
<td>Education Planner, PhD</td>
</tr>
</tbody>
</table>

## GIS Analyst

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tyler Link</td>
<td>GIS Analyst, GISP Candidate</td>
</tr>
<tr>
<td>Brandon Sylvester</td>
<td>GIS Analyst, GISP Candidate</td>
</tr>
</tbody>
</table>
Making it Happen

Oak Park and River Forest High School
- Administration

County, City, & Others
- Cook County
- Village of Oak Park
- Village of River Forest
- Chicago Transit Authority
- Metra
- Google Maps
- United States Geological Society
- Census Bureau/Esri

Development Community
- Builders
- Developers

Key Point:
Accurate projections are a result of the local entities providing quality data.

Disclaimer:
The data utilized in the analysis is the best available information each of the entities could provide at the time of the study.
Part One:
Enrollment &
Demographics
Key Considerations

Enrollment Projections - Five Year Outlook:

- High School enrollment increases to 2020/21 (3,519 students) than decreases by 2023/24 (3,466) to about the same enrollment the high school has in 2018/19
- Looking out beyond 2023/24, there likely will be another high school enrollment increase that begins in 2024/25
  - Current 3rd grade class of 875 will be in high school

Capacity over the next five years:

- Appears to be no capacity challenges at the high school
  - RSP recommends a functional capacity evaluation of the high school to determine if the appropriate space is able to be utilized for the desired educational programming experience for each student

Development Opportunity:

- The district is built-out resulting in any change to the housing within the district being related to In-fill development, specifically any residential component related to the following:
  - Greater Mall Tax Increment Area (Downtown TIF District)
  - Madison Business Corridor Redevelopment Project Area
  - Harlem and Garfield Redevelopment Project Area
- District Boundary (Purple Line)
- Major Streets
- Major water features & cultural features
- Municipality Limits (Solid Colors depicted in map)
<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land Use</td>
<td>Residential, Commercial, Industrial</td>
</tr>
<tr>
<td>Residential Density</td>
<td>Single-Family, Mobile Home, Duplex, Apartment</td>
</tr>
<tr>
<td>Natural and Manmade Features</td>
<td>Rivers, Creeks, Railroads, Streets</td>
</tr>
<tr>
<td>Planning Areas</td>
<td>Nearly 200 planning areas monitored for demographic, development, and enrollment data sets</td>
</tr>
</tbody>
</table>

**Planning Areas**

- Oak Park and River Forest High School

RSP Planning Areas are labeled with their unique Planning Area Identification Number (PAID).

**Map**

- District Boundary
- Oak Park & River Forest HS
- Parks
- Woods
- Concordia University Chicago
- Dominican University
- Hospitals
- Cemeteries
- CTA Blue Line
- CTA Green Line
- Metra Stations

Map data provided by Cook County, Village of Oak Park & River Forest, CTA, Metro, Oak Park & River Forest High School, Google Maps, USGS, & ESRI. Map was created April of 2023.
Detailed Planning Areas

- Zoomed in view of Planning Areas (Green Line)
- Displays the power of GIS data & Information
- The location of students are by grade are associated to streets, subdivisions, and parcels
- Illustrates how the planning areas are an important component to statistically forecasting the future enrollment

Planning Areas Detailed

Oak Park and River Forest High School

RSP Planning Areas are labeled with their unique Planning Area Identification Number (PAID).

- District Boundary
- Oak Park & River Forest HS
- Parks
- Woods
- Concordia University Chicago
- Dominican University

Map data provided by Cook County, Village of Oak Park & River Forest, CTA, Metra, Oak Park & River Forest High School, Google Maps, USGS, & ESRI. Map was created April of 2023.
Sophisticated Forecast Model

This is the central focus of everything RSP does. The model is based on what is happening in a school district. The best data is statistically analyzed to provide an accurate enrollment forecast. The District will be able to use RSP’s report and maps to better understand demographic trends, school utilization, and the timing of construction projects.

**Built-Out**

\[ S_{c, t, x} = S_{c - 1, t - 1, x} \times GC \]

Let:
- \( S \) = The number of students, either an actual count or a projected count
- \( x \) = A subscript denoting an attendance area in the School District
- \( c \) = Grade level
- \( t \) = Time (Years)
- \( GC \) = Growth component either modeling enrollment increase or decrease based on historical information, expressed as a real number

**Developing**

\[ S_{c, t, x} = S_{c - 1, t - 1, x} + (BP_{t, x} \times R_{c, x}) \]

**Where:**

\[ BP_{t, x} = \left( \frac{(CP_x)(BT_x)(A_x)}{\sum_x (CP_x)(BT_x)(A_x)} \right) \times CT \]

Let:
- \( S \) = The number of students, either an actual count or a projected count
- \( x \) = A subscript denoting an attendance area in the School District
- \( c \) = Grade level
- \( t \) = Time (Years)
- \( BP \) = Building permit forecast as given by the Building Permit Allocation Model (BPAM) model
- \( R_{c, x} \) = Student enrollment ratio of cohort \( c \) in planning area \( x \)
- \( CP \) = Capacity of a planning area as expressed by available housing units
- \( BT \) = Building history trend of a planning area
- \( A \) = An index which models the likelihood of development
- \( CT \) = Building permit control total forecast

**NOTE:**
In future studies, if the K-8 school districts could provide student data in the same manner as the high school district the analysis will be more complete for a parcel level projection.
Population: Ages 0-4

- Depicted by Census Block Group with 2023 estimates
- Density weighted by land area of each Block Group
- **Red** areas have greatest density, **Blue** have the least density
- This data helps benchmark the projection model choices for future student enrollment
- This information assists in understanding where the district may have future students reside

---

2023 Projected Population Density of Children Ages 0 to 4

Population Density

- 0
- 1 to 100
- 301 to 600
- 601 to 1,000
- 101 to 300
- > 1,000

Population Density is based on the Census 2023 Projected Population per square mile in each Planning Area.

---

Map data provided by Cook County, Village of Oak Park & River Forest, CTA, Metra, Oak Park & River Forest High School, Google Maps. OSIL & ESRI. Map was created April of 2023.
Population: Women 15-59

- Depicted by Census Block Group with 2023 estimates
- Density weighted by land area of each Block Group
- Red areas have greatest density, Blue have the least density
- This data helps benchmark the projection model choices for future student enrollment
- There are areas with high density not yielding higher rates of children (Indicated by Blue Rings)

2023 Projected Population Density of Women Ages 15 to 59

Population Density

- Light Blue: 0
- Blue: 1 to 500
- Light Yellow: 1,001 to 2,000
- Yellow: 2,001 to 4,000
- Orange: 4,001 to 5,000
- Red: > 4,000

Population Density is based on the Census 2023 Projected Population per square mile in each Planning Area.
Overall the District is expected to Increase in population and housing.

Income is projected to increase to almost 2 percent by 2023.

Nearly 40% of residents have achieved a Graduate / Professional Degree.
Demographic Comparison

<table>
<thead>
<tr>
<th></th>
<th>Oak Park &amp; River Forest High School</th>
<th>J. Sterling Morton High School 201</th>
<th>Proviso Township High School 209</th>
<th>Village of River Forest</th>
<th>Village of Oak Park</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unemployment Rate</td>
<td>4.3%</td>
<td>7.6%</td>
<td>7.6%</td>
<td>2.3%</td>
<td>4.6%</td>
</tr>
<tr>
<td>Average Household Size</td>
<td>2.31</td>
<td>3.34</td>
<td>2.80</td>
<td>2.6</td>
<td>2.26</td>
</tr>
<tr>
<td>Median Age</td>
<td>40.3</td>
<td>31.2</td>
<td>37.7</td>
<td>42.4</td>
<td>40.0</td>
</tr>
<tr>
<td>Total Population</td>
<td>62,856</td>
<td>161,875</td>
<td>125,931</td>
<td>11,063</td>
<td>51,793</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>$93,159</td>
<td>$50,228</td>
<td>$54,719</td>
<td>$127,948</td>
<td>$88,909</td>
</tr>
<tr>
<td>Total Housing Units</td>
<td>29,019</td>
<td>53,398</td>
<td>48,711</td>
<td>4,181</td>
<td>24,838</td>
</tr>
<tr>
<td>Owner Occupied Housing Units</td>
<td>16,473</td>
<td>25,836</td>
<td>28,313</td>
<td>3,400</td>
<td>13,073</td>
</tr>
<tr>
<td>Renter Occupied Housing Units</td>
<td>10,162</td>
<td>22,512</td>
<td>16,360</td>
<td>525</td>
<td>9,837</td>
</tr>
<tr>
<td>Vacancy Rate</td>
<td>8.0%</td>
<td>9.0%</td>
<td>8.0%</td>
<td>6.0%</td>
<td>9.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Oak Park &amp; River Forest High School</th>
<th>J. Sterling Morton High School 201</th>
<th>Proviso Township High School 209</th>
<th>Village of River Forest</th>
<th>Village of Oak Park</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>66.1%</td>
<td>19.1%</td>
<td>23.5%</td>
<td>78.8%</td>
<td>62.2%</td>
</tr>
<tr>
<td>Black</td>
<td>17.1%</td>
<td>3.4%</td>
<td>37.8%</td>
<td>6.0%</td>
<td>19.5%</td>
</tr>
<tr>
<td>American Indian/Alaskan</td>
<td>0.1%</td>
<td>0.1%</td>
<td>0.1%</td>
<td>0.0%</td>
<td>0.1%</td>
</tr>
<tr>
<td>Asian</td>
<td>6.1%</td>
<td>1.5%</td>
<td>2.7%</td>
<td>5.8%</td>
<td>6.1%</td>
</tr>
<tr>
<td>Pacific Islander</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Other Race</td>
<td>0.3%</td>
<td>0.1%</td>
<td>0.1%</td>
<td>0.3%</td>
<td>0.3%</td>
</tr>
<tr>
<td>Two or More Races</td>
<td>3.3%</td>
<td>0.7%</td>
<td>1.3%</td>
<td>1.9%</td>
<td>3.6%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>7.9%</td>
<td>75.2%</td>
<td>34.4%</td>
<td>7.1%</td>
<td>8.1%</td>
</tr>
</tbody>
</table>

Source: U.S. Census, Esri B&O

**Benchmarking Data**
- Demographic attribute information mirrors that of the Villages of Oak Park & River Forest
- Unemployment is lower than the neighboring High School Districts
- Total population is expected to increase slightly to 0.12% by 2023
- Median household income within the district is higher than the U.S. average of $56,124
- The vacancy rate within the district is lower than the U.S. rate of 11.3%
Student In-Migration

- 2018/19 students who are in 10th through 12th grade that were not attending the District in 2017/18 as 9th through 11th grade
- Depicts who is new to the district that was not attending in previous years
  - 84 new students in 2018/19

Oak Park and River Forest High School

Student In-Migration in 2018/19 by Planning Area

Student In-Migration by Planning Area

- Dot represents number of new students in each Planning Area. Dot does not represent student location.

10th Graders: +30
11th Graders: +32
12th Graders: +22

In-Migration is defined as Students in Grades 10-12 that are attending the District in 2018/19 but were not attending the District in 2017/18.

- District Boundary
- Oak Park & River Forest HS
- Parks
- Woods
- Concordia University Chicago
- Dominican University
- Hospitals
- Cemeteries
- CTA Blue Line
- CTA Green Line
- Metra Stations

Map data provided by Cook County, Village of Oak Park & River Forest, CTA, Metra, Oak Park & River Forest High School, Google Maps, USGS & ESRI. Map was created April of 2023.
Student Out-Migration

- Students attending the district in 2017/18 who were in 9th through 11th grade that did not attend in 2018/19 as 10th through 12th graders
- Who has left the district?
  - 112 students left district in 2018/19  Total Migration -28
Past School Enrollment

Enrollment By Grade

<table>
<thead>
<tr>
<th>Year</th>
<th>PreK</th>
<th>K</th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
<th>5th</th>
<th>6th</th>
<th>7th</th>
<th>8th</th>
<th>9th</th>
<th>10th</th>
<th>11th</th>
<th>12th</th>
<th>PK-12 Total</th>
<th>9-12 Total</th>
<th>9-12 Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009/10</td>
<td>172</td>
<td>739</td>
<td>786</td>
<td>739</td>
<td>741</td>
<td>748</td>
<td>703</td>
<td>685</td>
<td>722</td>
<td>754</td>
<td>845</td>
<td>805</td>
<td>778</td>
<td>785</td>
<td>10,002</td>
<td>3,213</td>
<td>-12</td>
</tr>
<tr>
<td>2010/11</td>
<td>172</td>
<td>707</td>
<td>796</td>
<td>801</td>
<td>738</td>
<td>746</td>
<td>757</td>
<td>731</td>
<td>682</td>
<td>732</td>
<td>795</td>
<td>862</td>
<td>803</td>
<td>741</td>
<td>10,063</td>
<td>3,201</td>
<td>-13</td>
</tr>
<tr>
<td>2011/12</td>
<td>158</td>
<td>686</td>
<td>772</td>
<td>806</td>
<td>809</td>
<td>753</td>
<td>753</td>
<td>753</td>
<td>736</td>
<td>680</td>
<td>819</td>
<td>795</td>
<td>860</td>
<td>743</td>
<td>10,123</td>
<td>3,217</td>
<td>16</td>
</tr>
<tr>
<td>2012/13</td>
<td>166</td>
<td>731</td>
<td>742</td>
<td>782</td>
<td>804</td>
<td>837</td>
<td>755</td>
<td>759</td>
<td>772</td>
<td>736</td>
<td>796</td>
<td>813</td>
<td>794</td>
<td>823</td>
<td>10,310</td>
<td>3,226</td>
<td>9</td>
</tr>
<tr>
<td>2013/14</td>
<td>180</td>
<td>665</td>
<td>796</td>
<td>761</td>
<td>824</td>
<td>807</td>
<td>855</td>
<td>766</td>
<td>785</td>
<td>783</td>
<td>826</td>
<td>785</td>
<td>820</td>
<td>835</td>
<td>10,488</td>
<td>3,266</td>
<td>40</td>
</tr>
<tr>
<td>2014/15</td>
<td>195</td>
<td>707</td>
<td>737</td>
<td>790</td>
<td>774</td>
<td>830</td>
<td>812</td>
<td>856</td>
<td>774</td>
<td>788</td>
<td>835</td>
<td>825</td>
<td>784</td>
<td>866</td>
<td>10,573</td>
<td>3,310</td>
<td>44</td>
</tr>
<tr>
<td>2015/16</td>
<td>184</td>
<td>732</td>
<td>791</td>
<td>751</td>
<td>800</td>
<td>782</td>
<td>826</td>
<td>808</td>
<td>860</td>
<td>761</td>
<td>828</td>
<td>850</td>
<td>821</td>
<td>819</td>
<td>10,613</td>
<td>3,318</td>
<td>8</td>
</tr>
<tr>
<td>2016/17</td>
<td>197</td>
<td>734</td>
<td>824</td>
<td>830</td>
<td>806</td>
<td>829</td>
<td>807</td>
<td>842</td>
<td>826</td>
<td>861</td>
<td>811</td>
<td>833</td>
<td>848</td>
<td>880</td>
<td>10,928</td>
<td>3,372</td>
<td>54</td>
</tr>
<tr>
<td>2017/18</td>
<td>220</td>
<td>767</td>
<td>812</td>
<td>853</td>
<td>826</td>
<td>809</td>
<td>826</td>
<td>815</td>
<td>815</td>
<td>852</td>
<td>881</td>
<td>815</td>
<td>856</td>
<td>911</td>
<td>11,058</td>
<td>3,463</td>
<td>91</td>
</tr>
<tr>
<td>2018/19</td>
<td>186</td>
<td>763</td>
<td>835</td>
<td>826</td>
<td>875</td>
<td>819</td>
<td>796</td>
<td>813</td>
<td>805</td>
<td>823</td>
<td>875</td>
<td>878</td>
<td>808</td>
<td>907</td>
<td>11,009</td>
<td>3,468</td>
<td>5</td>
</tr>
</tbody>
</table>

Source: Illinois Department of Education and Oak Park River Forest HS Student Data

Change By Grade from the Previous Year

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>PreK</th>
<th>K</th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
<th>5th</th>
<th>6th</th>
<th>7th</th>
<th>8th</th>
<th>9th</th>
<th>10th</th>
<th>11th</th>
<th>12th</th>
<th>Change 9th to 12th</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009/10</td>
<td>2010/11</td>
<td>0</td>
<td>-32</td>
<td>57</td>
<td>15</td>
<td>-1</td>
<td>5</td>
<td>9</td>
<td>-3</td>
<td>10</td>
<td>41</td>
<td>17</td>
<td>2</td>
<td>-3</td>
<td>-37</td>
<td>-12 -0.12%</td>
</tr>
<tr>
<td>2010/11</td>
<td>2011/12</td>
<td>-14</td>
<td>-21</td>
<td>65</td>
<td>10</td>
<td>8</td>
<td>15</td>
<td>7</td>
<td>-4</td>
<td>5</td>
<td>-2</td>
<td>87</td>
<td>0</td>
<td>-2</td>
<td>-60</td>
<td>0.16%</td>
</tr>
<tr>
<td>2011/12</td>
<td>2012/13</td>
<td>8</td>
<td>45</td>
<td>56</td>
<td>10</td>
<td>-2</td>
<td>28</td>
<td>6</td>
<td>19</td>
<td>0</td>
<td>116</td>
<td>-6</td>
<td>-1</td>
<td>37</td>
<td>9    0.09%</td>
<td></td>
</tr>
<tr>
<td>2012/13</td>
<td>2013/14</td>
<td>14</td>
<td>-66</td>
<td>65</td>
<td>19</td>
<td>42</td>
<td>18</td>
<td>5</td>
<td>28</td>
<td>22</td>
<td>34</td>
<td>16</td>
<td>29</td>
<td>53</td>
<td>42   0.42%</td>
<td></td>
</tr>
<tr>
<td>2013/14</td>
<td>2014/15</td>
<td>15</td>
<td>42</td>
<td>72</td>
<td>-6</td>
<td>13</td>
<td>6</td>
<td>5</td>
<td>1</td>
<td>3</td>
<td>52</td>
<td>-1</td>
<td>-1</td>
<td>46</td>
<td>44   0.42%</td>
<td></td>
</tr>
<tr>
<td>2014/15</td>
<td>2015/16</td>
<td>-11</td>
<td>25</td>
<td>84</td>
<td>14</td>
<td>10</td>
<td>8</td>
<td>-4</td>
<td>-4</td>
<td>4</td>
<td>-13</td>
<td>40</td>
<td>15</td>
<td>4</td>
<td>35   0.08%</td>
<td></td>
</tr>
<tr>
<td>2015/16</td>
<td>2016/17</td>
<td>13</td>
<td>2</td>
<td>92</td>
<td>39</td>
<td>55</td>
<td>29</td>
<td>25</td>
<td>16</td>
<td>18</td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>2</td>
<td>59   0.51%</td>
<td></td>
</tr>
<tr>
<td>2016/17</td>
<td>2017/18</td>
<td>23</td>
<td>33</td>
<td>78</td>
<td>29</td>
<td>-4</td>
<td>3</td>
<td>-3</td>
<td>8</td>
<td>-27</td>
<td>26</td>
<td>20</td>
<td>4</td>
<td>23</td>
<td>63   0.83%</td>
<td></td>
</tr>
<tr>
<td>2017/18</td>
<td>2018/19</td>
<td>-34</td>
<td>-4</td>
<td>68</td>
<td>14</td>
<td>22</td>
<td>-7</td>
<td>-13</td>
<td>-13</td>
<td>-10</td>
<td>8</td>
<td>23</td>
<td>-3</td>
<td>-7</td>
<td>51   0.05%</td>
<td></td>
</tr>
<tr>
<td>3-Yr Avg</td>
<td></td>
<td>0.7</td>
<td>10.3</td>
<td>79.3</td>
<td>27.3</td>
<td>24.3</td>
<td>8.3</td>
<td>3.0</td>
<td>3.7</td>
<td>-6.3</td>
<td>11.7</td>
<td>31.0</td>
<td>2.0</td>
<td>4.7</td>
<td>57.7</td>
<td>50.0  0.5%</td>
</tr>
<tr>
<td>3-Yr Weighted Avg</td>
<td></td>
<td>-7.2</td>
<td>9.3</td>
<td>75.3</td>
<td>23.2</td>
<td>18.8</td>
<td>2.3</td>
<td>-3.3</td>
<td>-1.2</td>
<td>-11.0</td>
<td>12.8</td>
<td>26.5</td>
<td>0.7</td>
<td>3.8</td>
<td>56.3</td>
<td>41.8  0.4%</td>
</tr>
</tbody>
</table>

Source: Illinois Department of Education and Oak Park River Forest HS Student Data

Table Explanation

- Largest 9th to 12th grade class in 2018/19 – 12th grade (907)
- Smallest 9th to 12th grade class in 2018/19 – 11th grade (808)
- Graduating senior class typically larger than the incoming 9th grade class
- Largest average 9-12 class increase – 11th to 12th grade (+51)
- Largest average 9-12 class decrease – Most years every grade has a cohort increase (18/19 decreased from 9th to 10th and 10th to 11th)
- Show all the grades to understand how the future HS enrollment could be impacted
### Enrollment By Village

#### Village of Oak Park

<table>
<thead>
<tr>
<th>Year</th>
<th>PreK</th>
<th>K</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>PK-5</th>
<th>6-8</th>
<th>9-12</th>
<th>PreK-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009/10</td>
<td>148</td>
<td>625</td>
<td>628</td>
<td>577</td>
<td>597</td>
<td>594</td>
<td>552</td>
<td>542</td>
<td>555</td>
<td>603</td>
<td>682</td>
<td>664</td>
<td>611</td>
<td>651</td>
<td>3,721</td>
<td>1,700</td>
<td>2,608</td>
<td>8,029</td>
</tr>
<tr>
<td>2010/11</td>
<td>150</td>
<td>603</td>
<td>661</td>
<td>639</td>
<td>574</td>
<td>596</td>
<td>603</td>
<td>582</td>
<td>538</td>
<td>565</td>
<td>682</td>
<td>697</td>
<td>661</td>
<td>585</td>
<td>3,826</td>
<td>1,685</td>
<td>2,625</td>
<td>8,136</td>
</tr>
<tr>
<td>2011/12</td>
<td>136</td>
<td>584</td>
<td>634</td>
<td>667</td>
<td>634</td>
<td>585</td>
<td>598</td>
<td>603</td>
<td>588</td>
<td>544</td>
<td>668</td>
<td>674</td>
<td>698</td>
<td>605</td>
<td>3,838</td>
<td>1,735</td>
<td>2,645</td>
<td>8,218</td>
</tr>
<tr>
<td>2012/13</td>
<td>150</td>
<td>624</td>
<td>615</td>
<td>634</td>
<td>667</td>
<td>634</td>
<td>661</td>
<td>621</td>
<td>589</td>
<td>676</td>
<td>662</td>
<td>669</td>
<td>661</td>
<td>3,932</td>
<td>1,813</td>
<td>2,668</td>
<td>8,413</td>
<td></td>
</tr>
<tr>
<td>2013/14</td>
<td>150</td>
<td>666</td>
<td>665</td>
<td>633</td>
<td>658</td>
<td>681</td>
<td>625</td>
<td>691</td>
<td>660</td>
<td>671</td>
<td>704</td>
<td>4,016</td>
<td>1,840</td>
<td>2,722</td>
<td>8,578</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014/15</td>
<td>170</td>
<td>607</td>
<td>606</td>
<td>658</td>
<td>639</td>
<td>659</td>
<td>672</td>
<td>677</td>
<td>600</td>
<td>626</td>
<td>695</td>
<td>688</td>
<td>656</td>
<td>710</td>
<td>4,011</td>
<td>1,903</td>
<td>2,749</td>
<td>8,663</td>
</tr>
<tr>
<td>2015/16</td>
<td>176</td>
<td>608</td>
<td>651</td>
<td>608</td>
<td>664</td>
<td>634</td>
<td>655</td>
<td>664</td>
<td>597</td>
<td>687</td>
<td>707</td>
<td>683</td>
<td>687</td>
<td>3,996</td>
<td>1,935</td>
<td>2,764</td>
<td>8,695</td>
<td></td>
</tr>
<tr>
<td>2016/17</td>
<td>181</td>
<td>629</td>
<td>669</td>
<td>674</td>
<td>652</td>
<td>677</td>
<td>649</td>
<td>666</td>
<td>671</td>
<td>676</td>
<td>700</td>
<td>704</td>
<td>731</td>
<td>4,131</td>
<td>1,903</td>
<td>2,749</td>
<td>8,663</td>
<td></td>
</tr>
<tr>
<td>2017/18</td>
<td>182</td>
<td>630</td>
<td>676</td>
<td>695</td>
<td>671</td>
<td>648</td>
<td>668</td>
<td>651</td>
<td>643</td>
<td>699</td>
<td>724</td>
<td>716</td>
<td>757</td>
<td>4,170</td>
<td>1,993</td>
<td>2,877</td>
<td>9,040</td>
<td></td>
</tr>
<tr>
<td>2018/19</td>
<td>150</td>
<td>662</td>
<td>663</td>
<td>678</td>
<td>697</td>
<td>653</td>
<td>623</td>
<td>653</td>
<td>647</td>
<td>649</td>
<td>744</td>
<td>725</td>
<td>764</td>
<td>4,126</td>
<td>1,949</td>
<td>2,903</td>
<td>8,978</td>
<td></td>
</tr>
</tbody>
</table>

#### Village of River Forest

<table>
<thead>
<tr>
<th>Year</th>
<th>PreK</th>
<th>K</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>PK-5</th>
<th>6-8</th>
<th>9-12</th>
<th>PreK-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009/10</td>
<td>24</td>
<td>114</td>
<td>158</td>
<td>162</td>
<td>144</td>
<td>154</td>
<td>151</td>
<td>143</td>
<td>167</td>
<td>151</td>
<td>163</td>
<td>141</td>
<td>167</td>
<td>134</td>
<td>907</td>
<td>461</td>
<td>605</td>
<td>1,973</td>
</tr>
<tr>
<td>2010/11</td>
<td>22</td>
<td>104</td>
<td>135</td>
<td>162</td>
<td>164</td>
<td>150</td>
<td>154</td>
<td>149</td>
<td>144</td>
<td>167</td>
<td>113</td>
<td>165</td>
<td>142</td>
<td>156</td>
<td>891</td>
<td>460</td>
<td>576</td>
<td>1,927</td>
</tr>
<tr>
<td>2011/12</td>
<td>22</td>
<td>102</td>
<td>138</td>
<td>139</td>
<td>175</td>
<td>168</td>
<td>155</td>
<td>150</td>
<td>148</td>
<td>136</td>
<td>151</td>
<td>121</td>
<td>162</td>
<td>138</td>
<td>899</td>
<td>434</td>
<td>572</td>
<td>1,905</td>
</tr>
<tr>
<td>2012/13</td>
<td>16</td>
<td>107</td>
<td>127</td>
<td>148</td>
<td>143</td>
<td>174</td>
<td>170</td>
<td>156</td>
<td>151</td>
<td>147</td>
<td>120</td>
<td>151</td>
<td>125</td>
<td>162</td>
<td>885</td>
<td>454</td>
<td>558</td>
<td>1,897</td>
</tr>
<tr>
<td>2013/14</td>
<td>30</td>
<td>99</td>
<td>131</td>
<td>128</td>
<td>166</td>
<td>144</td>
<td>174</td>
<td>179</td>
<td>160</td>
<td>155</td>
<td>135</td>
<td>125</td>
<td>153</td>
<td>131</td>
<td>872</td>
<td>494</td>
<td>544</td>
<td>1,910</td>
</tr>
<tr>
<td>2014/15</td>
<td>25</td>
<td>100</td>
<td>131</td>
<td>132</td>
<td>171</td>
<td>140</td>
<td>179</td>
<td>174</td>
<td>162</td>
<td>140</td>
<td>137</td>
<td>128</td>
<td>156</td>
<td>834</td>
<td>515</td>
<td>561</td>
<td>1,910</td>
<td></td>
</tr>
<tr>
<td>2015/16</td>
<td>8</td>
<td>124</td>
<td>140</td>
<td>143</td>
<td>136</td>
<td>148</td>
<td>171</td>
<td>144</td>
<td>164</td>
<td>141</td>
<td>143</td>
<td>138</td>
<td>132</td>
<td>870</td>
<td>494</td>
<td>554</td>
<td>1,918</td>
<td></td>
</tr>
<tr>
<td>2016/17</td>
<td>16</td>
<td>105</td>
<td>155</td>
<td>156</td>
<td>154</td>
<td>152</td>
<td>158</td>
<td>176</td>
<td>149</td>
<td>190</td>
<td>135</td>
<td>133</td>
<td>144</td>
<td>149</td>
<td>896</td>
<td>515</td>
<td>561</td>
<td>1,972</td>
</tr>
<tr>
<td>2017/18</td>
<td>38</td>
<td>137</td>
<td>136</td>
<td>158</td>
<td>155</td>
<td>161</td>
<td>158</td>
<td>164</td>
<td>172</td>
<td>153</td>
<td>157</td>
<td>135</td>
<td>140</td>
<td>154</td>
<td>943</td>
<td>489</td>
<td>586</td>
<td>2,018</td>
</tr>
<tr>
<td>2018/19</td>
<td>36</td>
<td>101</td>
<td>172</td>
<td>148</td>
<td>178</td>
<td>166</td>
<td>173</td>
<td>160</td>
<td>158</td>
<td>174</td>
<td>131</td>
<td>153</td>
<td>134</td>
<td>147</td>
<td>974</td>
<td>492</td>
<td>565</td>
<td>2,031</td>
</tr>
</tbody>
</table>

Source: Illinois Department of Education and Oak Park River Forest HS Student Data

### Table Description:

- It is important for accurate projections to have an understanding of the PreK-8 enrollment that will eventually cohort to the high school.
- If the PreK-8 student data could have been provided the projections would have an element of sophistication leading toward a more comprehensive analysis.
- The majority of the enrollment are students who reside in the city of Oak Park.
Student Count Change

- Depicts student movement at each Planning Area from 2014/15 to 2018/19
- **Orange** areas experienced an increase since 2014/15, **Green** areas experienced a decrease, **White** areas had no net change of students between 2014/15 to 2018/19
- New developments have a greater propensity to have more students in future years
- This is a static snapshot to illustrate how each planning area changes at a different rate

Student Count Change from 2014/15 to 2018/19 in Grades 9-12

Count Change is the number of students in 2018/19 subtracted by the number in 2014/15 in each Planning Area.

- **Decrease in Students**
- **Increase in Students**

Legend:
- **District Boundary**
- **Oak Park & River Forest HS**
- **Parks**
- **Woods**
- **Concordia University Chicago**
- **Dominican University**
- **Hospitals**
- **Cemeteries**
- **CTA Blue Line**
- **CTA Green Line**
- **Metra Stations**

Map data provided by Oak County, Village of Oak Park & River Forest, CTA, Metra, Oak Park & River Forest High School, Google Maps, QGIS, & ESRI. Map was created April of 2023.
Student “Heat” Density

- **Red** areas depict highest density of students, **Gray** as lowest student density
- Overlapping points (2 or more students) are handled using a weighting of coincident points
- This analysis helps with understanding student population and geographic proximity to schools
- The data illustrates changing demographic patterns
- The greatest density of students are in the southern portion of the district

---

**Student 'Heat' Density in Grades K-12 in 2018/19**

**Student Density**

- High
- Low

Student “Heat” is determined by calculating the number of students that are clustered within close proximity of one another. Overlapping of points (2 or more students residing at the same address) are handled using a weighting of coincident points. This weighted data is calculated by relational distance, which helps to visually depict the areas of high student clustering.

---

**Legend**

- District Boundary
- Oak Park & River Forest HS
- Parks
- Woods
- Concordia University Chicago
- Dominican University
- Hospitals
- Cemeteries
- CTA Blue Line
- CTA Green Line
- Metro Stations

Data provided by Cook County, Village of Oak Park & River Forest, CTA, Betts, Oak Park & River Forest High School, Google Maps, u/30S & E/30N. Map was created April 2019.
The following are some general enrollment observations:

- RSP & Associates monitors nearly 200 planning areas for demographic, development, and 9th to 12th grade enrollment data sets
- Direct correlation between women in child bearing ages (15-59) and where children (0-4) reside
- Enrollment tends to increase from grade to grade each year at each level
  - Large increases happen from 11th to 12th grade
  - Generally the grades continue to increase as they cohort
- Smaller middle school grades likely result in High school grades
- Greatest student density north of 290 Hwy and south of the Transit line
- Time was spent analyzing the K-8 school enrollment to ensure the projections fully factor in the possible number of incoming freshman each year
  - In future studies, if the K-8 school districts could provide student data in the same manner as the high school district the analysis will be more complete for a parcel level projection
Part Two:
Development
Population, Development, Enrollment

Graphic Explanation
- Census data indicates an decreasing population (Demographic trends influence)
- Building trend indicates there has been no activity (Built-out community – potential for infill development opportunities)
- Student Enrollment growth has remained positive the last eight years

What Does This Mean
- Households moving into the district are changing demographics
- Anticipating little or no development over the next five years
- Older areas of the community have the propensity of having more children than in the past

Source: Census Estimates, Cities of Oak Park and River Forest, Oak Park & River Forest High School Enrollment and RSP SFM & Demographic Models
Student Yield Rate

Yield Rate by Jurisdiction (9th to 12th grade)

<table>
<thead>
<tr>
<th>Jurisdiction</th>
<th>Units</th>
<th>15/16: 9th to 12th grade Yield Rate</th>
<th>18/19: 9th to 12th grade Yield Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SF</td>
<td>MU</td>
<td>MF</td>
</tr>
<tr>
<td>Village of Oak Park</td>
<td>8,098</td>
<td>4,756</td>
<td>3,589</td>
</tr>
<tr>
<td>Village of River Forest</td>
<td>3,418</td>
<td>719</td>
<td>647</td>
</tr>
<tr>
<td>Total</td>
<td>11,516</td>
<td>5,475</td>
<td>4,236</td>
</tr>
</tbody>
</table>

Source: Cook County, State of Illinois Department of Education and Oak Park and River Forest High School

Graphic Explanation

- SF = Single-Family Units
- MU = Mixed use Units
- MF = Multi-Family Units
- Depicts elementary (9-12) enrollment and the corresponding yield rate for 15/16 and 18/19
- The yield rate represents the number of 9th to 12th grade students attending the high school for every 100 units of that specific type of development
- Single-Family residential average tends to lower than the Mixed use or Multi-Family
- Yield rates are statistically similar over the last three years
- Any new infill development could potentially change the yield rate
- SF, MU, and MF designation was obtained using the zoning maps form the Villages of Oak Park and River Forest by each RSP Planning Area. Due to the block by block different changes in zoning type, the Mixed Use in some instances incorporates a large number of SF and MF units together
Based on assessed Home Value as provided and maintained by the county assessor’s office.
- Home values correlated to socio-economic status – new areas tend to be the least affordable.
- Areas shaded in Orange and Red have the greatest Median Home Value, Blue represents the greatest affordability.
- The most affordable areas are in the southern portion of the district.
The following are some general development observations:

- Population within the district has been decreasing and there has been some planning for limited infill development.
- The district is built-out resulting in any change to the housing within the district being related to In-fill development, specifically any residential component related to the following:
  - Greater Mall Tax Increment Area (Downtown TIF District)
  - Madison Business Corridor Redevelopment Project Area
  - Harlem and Garfield Redevelopment Project Area
- Future residential development activity is dependent on the economy (specifically employment, interest rates), as well as demographic trends and subdivision life cycles.
- Tracking enrollment by the types of development is important to understand the yield rate of students for every part of the community – there are varying yield rates with all developments.
Part Three: Enrollment Projections
## Past, Current, Future Enrollment

### Enrollment By Grade

<table>
<thead>
<tr>
<th>Year</th>
<th>PreK</th>
<th>K</th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
<th>5th</th>
<th>6th</th>
<th>7th</th>
<th>8th</th>
<th>9th</th>
<th>10th</th>
<th>11th</th>
<th>12th</th>
<th>PK-12 Total</th>
<th>9-12 Total</th>
<th>9-12 Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009/10</td>
<td>172</td>
<td>739</td>
<td>786</td>
<td>739</td>
<td>741</td>
<td>748</td>
<td>703</td>
<td>685</td>
<td>722</td>
<td>754</td>
<td>845</td>
<td>805</td>
<td>778</td>
<td>785</td>
<td>10,002</td>
<td>3,213</td>
<td>-12</td>
</tr>
<tr>
<td>2010/11</td>
<td>172</td>
<td>707</td>
<td>796</td>
<td>801</td>
<td>738</td>
<td>746</td>
<td>757</td>
<td>731</td>
<td>682</td>
<td>732</td>
<td>796</td>
<td>813</td>
<td>794</td>
<td>823</td>
<td>10,063</td>
<td>3,201</td>
<td>-12</td>
</tr>
<tr>
<td>2011/12</td>
<td>158</td>
<td>686</td>
<td>772</td>
<td>806</td>
<td>809</td>
<td>753</td>
<td>753</td>
<td>753</td>
<td>736</td>
<td>680</td>
<td>819</td>
<td>795</td>
<td>860</td>
<td>743</td>
<td>10,123</td>
<td>3,217</td>
<td>16</td>
</tr>
<tr>
<td>2012/13</td>
<td>166</td>
<td>731</td>
<td>742</td>
<td>782</td>
<td>804</td>
<td>837</td>
<td>755</td>
<td>759</td>
<td>772</td>
<td>736</td>
<td>826</td>
<td>785</td>
<td>820</td>
<td>835</td>
<td>10,573</td>
<td>3,310</td>
<td>44</td>
</tr>
<tr>
<td>2013/14</td>
<td>195</td>
<td>707</td>
<td>737</td>
<td>790</td>
<td>774</td>
<td>830</td>
<td>812</td>
<td>856</td>
<td>774</td>
<td>788</td>
<td>835</td>
<td>825</td>
<td>784</td>
<td>866</td>
<td>10,753</td>
<td>3,318</td>
<td>8</td>
</tr>
<tr>
<td>2014/15</td>
<td>184</td>
<td>732</td>
<td>791</td>
<td>751</td>
<td>800</td>
<td>782</td>
<td>826</td>
<td>808</td>
<td>860</td>
<td>761</td>
<td>828</td>
<td>850</td>
<td>821</td>
<td>819</td>
<td>10,613</td>
<td>3,372</td>
<td>54</td>
</tr>
<tr>
<td>2015/16</td>
<td>197</td>
<td>734</td>
<td>824</td>
<td>830</td>
<td>806</td>
<td>829</td>
<td>807</td>
<td>842</td>
<td>826</td>
<td>861</td>
<td>811</td>
<td>833</td>
<td>848</td>
<td>880</td>
<td>10,928</td>
<td>3,463</td>
<td>91</td>
</tr>
<tr>
<td>2016/17</td>
<td>220</td>
<td>767</td>
<td>812</td>
<td>853</td>
<td>826</td>
<td>809</td>
<td>826</td>
<td>815</td>
<td>815</td>
<td>852</td>
<td>881</td>
<td>815</td>
<td>856</td>
<td>911</td>
<td>11,058</td>
<td>3,468</td>
<td>5</td>
</tr>
<tr>
<td>2017/18</td>
<td>186</td>
<td>763</td>
<td>835</td>
<td>826</td>
<td>875</td>
<td>819</td>
<td>796</td>
<td>813</td>
<td>805</td>
<td>823</td>
<td>875</td>
<td>878</td>
<td>808</td>
<td>907</td>
<td>11,099</td>
<td>3,475</td>
<td>7</td>
</tr>
<tr>
<td>2019/20</td>
<td>850</td>
<td>877</td>
<td>880</td>
<td>868</td>
<td>850</td>
<td>877</td>
<td>880</td>
<td>868</td>
<td>850</td>
<td>877</td>
<td>880</td>
<td>868</td>
<td>850</td>
<td>877</td>
<td>3,475</td>
<td>7</td>
<td>-12</td>
</tr>
<tr>
<td>2020/21</td>
<td>842</td>
<td>854</td>
<td>878</td>
<td>945</td>
<td>842</td>
<td>854</td>
<td>878</td>
<td>945</td>
<td>842</td>
<td>854</td>
<td>878</td>
<td>945</td>
<td>842</td>
<td>854</td>
<td>3,519</td>
<td>44</td>
<td>-9</td>
</tr>
<tr>
<td>2021/22</td>
<td>848</td>
<td>846</td>
<td>855</td>
<td>943</td>
<td>848</td>
<td>846</td>
<td>855</td>
<td>943</td>
<td>848</td>
<td>846</td>
<td>855</td>
<td>943</td>
<td>848</td>
<td>846</td>
<td>3,492</td>
<td>-27</td>
<td>8</td>
</tr>
<tr>
<td>2022/23</td>
<td>838</td>
<td>851</td>
<td>848</td>
<td>921</td>
<td>838</td>
<td>851</td>
<td>848</td>
<td>921</td>
<td>838</td>
<td>851</td>
<td>848</td>
<td>921</td>
<td>838</td>
<td>851</td>
<td>3,458</td>
<td>-34</td>
<td>-4</td>
</tr>
<tr>
<td>2023/24</td>
<td>859</td>
<td>842</td>
<td>853</td>
<td>912</td>
<td>859</td>
<td>842</td>
<td>853</td>
<td>912</td>
<td>859</td>
<td>842</td>
<td>853</td>
<td>912</td>
<td>859</td>
<td>842</td>
<td>3,466</td>
<td>8</td>
<td>-8</td>
</tr>
</tbody>
</table>

Source: Illinois Department of Education and Oak Park River Forest HS Student Data

**Note:** Blue Font represents the RSP Projection for the Oak Park and River Forest HS Student Data

### Change is Happening

- The grades highlighted with the red rectangle – If the K-8 school districts could provide student data the same manner as the high school district, the enrollment forecast would be more rich and increase the projection accuracy
- RSP utilized the by grade data Official Count from the two elementary schools to guide the Student Forecast Model to a logical projection
- Enrollment Change – Overall enrollment stability – some years an increase others a decrease
- Out of District into the district has decreased significantly from 2017/18
  - 2017/18: 53 (9th to 12th grade)
  - 2018/19: 20 (9th to 12th grade)
- High School enrollment increases to 2020/21 than decreases by 2023/24 to about the same enrollment the high school has in 2018/19
- Looking out beyond 2023/24, there likely will be another increase that begins in 2024/25
Part Four: Moving Forward
Next Steps

The following items will assist the district advance its educational goals:

- District administration and the Board of Education further study the enrollment, demographic, and development information presented.

- Annually review enrollment projections
  - Collaborate with the K-8 feeder schools to get a more robust student analysis at the parcel level.

- Utilize the enrollment projections to assist with planning for staff need for the following school year.

- Administration continue to examine utilization opportunities to improve the student education experiences.

- Continue to make decisions and communicate that information to the community so they can understand how educational opportunities will support College and Career ready students.