

Louisiana Believes

Using the
School Performance Score Calculator
September 2018

Agenda

- Overview of Calculator
- Overview of Indices
 - K8 Assessment
 - Progress Index
 - DCAI
 - High School Assessment
 - ACT
 - Cohort Graduation
- Resources and Contact Information

School Performance Score Calculator

The School Performance Score Calculator is a tool designed to help schools estimate their annual school performance score. The calculator:

- Is created in Excel and uses white cells, open for input, and gray cells that are locked
- Includes built-in formulae that calculate the different indices that are applicable to schools
- Is updated annually to adjust for any changes in policy outlined in Bulletin 111, *Louisiana School, District and State Accountability System*
- Is best used with data rosters provided to schools

SCHOOL PERFORMANCE SCORE CALCULATORS

File	Download
2016-2017 SPS Calculator	Download
2017-2018 SPS Calculator	Download

2017-2018 SPS Calculator

The 2017-2018 SPS calculator includes some new features:

- A table that helps schools estimate the new progress index
- A table for the new LEAP Connect test scores for students taking alternate assessments in English language arts and mathematics in grades 3-8
- A cell in which to insert the K8 science index from 2016-2017 or 2017-2018 (whichever is higher) since science was field tested
- Adjusted index point scales to align with Louisiana's higher standards

EOC (Grades 9-12)	Number of Test Units				Unsatisfactory / Needs	Subject Weight	Total Points Weighted	Total Test Units Weighted	Assessment Index by Subject
	Advanced / Excellent (150)	Mastery/Good (100)	Basic (80)	Approaching Basic / Fair (0)					
English I									
English II									
English III									
Algebra I									
Geometry									
Biology									
U.S. History									
EOC Assessment Index*									

K-8 Progress Index						
Subject	Number of students who earned (150)	Number of students who earned (115)	Number of students who earned (85)			
2016-2017 ELA						
2016-2017 Math						
2017-2018 ELA						
2017-2018 Math						
Sum						
K-8 Progress Index***						

LAA1 Science	Number of Test Units			Subject Weight	Total Points Weighted	Total Test Units Weighted	Assessment Index by Subject
	Exceeds Standard (150)	Meets Standard (100)	Working Toward Standard (0)				
ELA							
MATH							
SCI				1	0	0	0.0
LAA1 Assessment Index*					0	0	0.0

LEAP Connect (Grades 3-8)	Number of Test Units				Subject Weight	Total Points Weighted	Total Test Units Weighted	Assessment Index by Subject
	Level 4 (150)	Level 3 (100)	Level 2 (80)	Level 1 (0)				
ELA					2	0	0	0.0
MATH					2	0	0	0.0
LEAP Connect Assessment Index*								

* The K8 Progress Index is based on the school's average growth for two years. For students who score Mastery in the current year, the lowest possible points awarded to them. Students must be eligible for Steps 1 and 2 to be included in the progress index.

*Please include only full academic year (FAY) students in assessment index calculation calculations. Include students who should have tested but did not.

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- Overview of Calculator
- **Overview of Indices**
- Completing Index Tables
 - K8 Assessment
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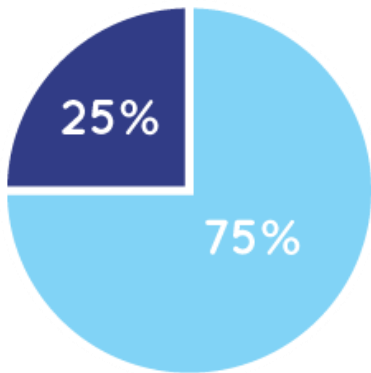
School Performance Score Indices

The indices used for schools is based on the school's grade configuration and emphasizes important expectations for students developed with input from educators and other stakeholders across the state.

- For schools with K8, standards-based knowledge and skills in four major subject areas are emphasized along with continued growth toward mastery for all students.
- In addition, schools with a grade 8 prepare students for future high school experiences and credit attainment based on their chosen diploma pathway.
- High schools provide access to high-quality coursework and high-wage credentials that prepare students for college and/or careers.

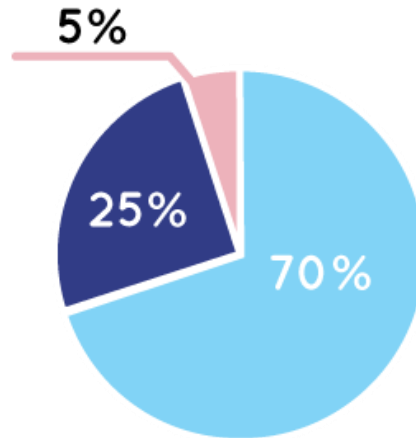
2017-2018 School Performance Scores

Elementary Schools



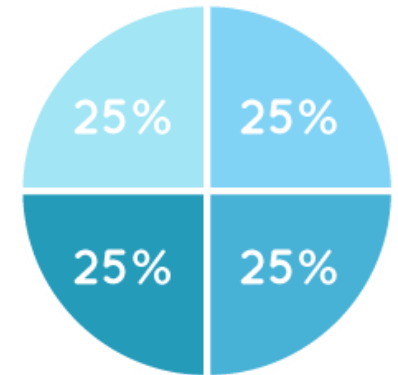
- State Assessment Performance
- Student Progress

Elementary/Middle Schools (with Grade 8)



- State Assessment Performance
- Student Progress
- Credit Accumulation

High Schools



- State Assessment Performance and Progress
- ACT/WorkKeys
- Strength of Diploma
- Graduation Rate


Roster Data

Rosters Available	Data included in Roster
Assessment	Points awarded for students based on <ul style="list-style-type: none">• 2018 scores from LEAP 3-8 ELA, math, social studies;• 2018 high school scores for both LEAP 2025 and EOC;• Prior year banked scores (high school tests in middle school grades);• 2018 LEAP Connect and LAA 1 scores
DCAI	Points awarded for students who were enrolled in grade 8 in 2016-2017 based on credits earned in 2017-2018
K8 and HS Progress Index Points	Points awarded for student growth in grade 4-8 based on in 2016-2017 and 2017-2018; Points earned for students in high school grades based on 2017-2018 only (2 years beginning in 2018-2019)
Graduation Rate and Strength of Diploma	Points awarded for students in 2016-2017 graduation cohort; Calculates the graduation rate and points earned
ACT	Points awarded for highest ACT score earned by end of grade 12 in 2018; WorkKeys if higher points earned

Calculator Tables

Before beginning, users should review the calculator to:

- Locate each table that will be needed based on the grade configuration of the school.
- Review the cells to understand what will be needed to complete each one
- Collect rosters or files that include data for tables

	K-8 SPS Calculator									
		K8 Assessment Index	K8 Progress Index	Dropout/Credit Index	K8 SPS					
	Index									
	Letter Grade (Scaled)									
Weight										

K-8 Assessment Index											
LEAP / EOC (Grades 3-8)	Number of Test Units					Subject Weight	EOC Incentive Points		Total Points Weighted	Total Test Units Weighted	Assessment Index by Subject
	Performance Levels						Advanced/Excellent (150)	Mastery / Good (25)			
	Advanced / Excellent (150)	Mastery/Good (100)	Basic (80)	Approaching Basic / Fair (0)	Unsatisfactory / Needs Improvement (0)						
ELA / English I / English II						2			0	0	0.0
MATH / Algebra I / Geometry						2			0	0	0.0
SCI / Biology											
SS / U.S.History						1			0	0	0.0
LEAP / EOC Assessment Index*									0	0	0.0

*Points for high school assessments taken in a middle school grade should not be entered into the Performance Levels section of this table unless the score is from a student who was in grade 8 and took only the Algebra I LEAP 2025 assessment. For all other grades and subjects, use LEAP 2025 results. Incentive points can be earned by all grades and subjects.

LAA1 Science	Number of Test Units				Total Points Weighted	Total Test Units Weighted	Assessment Index by Subject	Test Type	Total Points Weighted	Total Test Units Weighted
	Performance Levels			Subject Weight						
	Exceeds Standard (150)	Meets Standard (100)	Working Toward Standard (0)							
							LEAP / EOC	0	0	

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Assessment Index: LEA and Site Flags

To be included in the SPS, students must meet the full academic year rule:

LEA Flag=Yes	Student is enrolled at any school in the school system on October 1 and for testing
Site Flag=Yes	LEA flag is Yes and student was enrolled at the school on February 1

Special Cases

December 2017 High School Initial Scores	Student was enrolled in any school in the school system on October 1 and for fall high school administration. Student counts at school where tested.
Summer 2017 High School Initial Scores	Included in 2018 SPS based on full academic year status (see first table) in 2017-2018
December ACT grads	Student was enrolled at any school in the district on October 1. Counts where student graduated in December.

Assessment Index: LEA and Site Flags

Using the sample roster, identify students who will be included in the school system score only, both school and system score, and those that will not be included at all.

Site Name	Louisiana Secure ID	Last Name	First Name	DOB Day	Grade	Gender	Site Flag	LEA Flag
Morton Middle School	5827398543	ABA	D	09	08	M	Yes	Yes
Morton Middle School	8552489686	ABB	J	24	07	M	Yes	Yes
Morton Middle School	6625663875	ABD	J	01	08	F	No	No
Morton Middle School	6685698314	ABS	Z	18	07	F	Yes	Yes
Morton Middle School	2615843966	BAR	A	14	08	F	Yes	Yes
Morton Middle School	1573118958	BOT	S	11	08	F	Yes	Yes
Morton Middle School	9288182977	BUN	K	22	07	M	Yes	Yes
Morton Middle School	9236766781	CAS	J	01	08	M	Yes	Yes

K8 Assessment Index

The assessment tables are separated for grades 3-8 and high school but operate very similarly. The tables require the frequencies of students based on achievement levels earned on state assessments. For K-8 students:

1. Filter the students based on LEA and/or Site Flags. For a school, select only records with site flag of **Yes**.
2. Second, sort for test type. On rosters, LEAP is identified as test type 3.
3. Select the subject, and sort the students based on each achievement level (number of students who scored Advanced in ELA, number of students who scored mastery in ELA, etc.). Include forced zero records with achievement level of Unsatisfactory.

K-8 Assessment Index											
LEAP / EOC (Grades 3-8)	Number of Test Units					Subject Weight	EOC Incentive Points		Total Points Weighted	Total Test Units Weighted	Assessment Index by Subject
	Performance Levels						Advanced/Excellent (50)	Mastery / Good (25)			
	Advanced / Excellent (150)	Mastery/Good (100)	Basic (80)	Approaching Basic / Fair (0)	Unsatisfactory / Needs Improvement (0)						
ELA / English I / English II						2			0	0	0.0
MATH / Algebra I / Geometry						2			0	0	0.0
SCI / Biology											
SS / U.S.History						1			0	0	0.0
LEAP / EOC Assessment Index*									0	0	0.0

*Points for high school assessments taken in a middle school grade should not be entered into the Performance Levels section of this table unless the score is from a student who was in grade 8 and took only the Algebra I LEAP 2025 assessment. For all other grades and subjects, use LEAP 2025 results. Incentive points can be earned by all grades and subjects.

Assessment Index: Middle School Students Taking High School Tests

To determine which test achievement levels should be used for middle school students taking high school courses, see the table below.

Student Group	Test(s) Taken by Student	Score Used in Table
Grade 8 students taking Algebra I	Took only the Algebra I test	Use the Algebra I achievement level in the table
	Took both the Algebra I and LEAP grade 8 math assessment	Use the LEAP grade 8 math achievement level
All other grades/subjects	Must take both the high school test and grade appropriate LEAP subject test	Use only the LEAP grade appropriate achievement level
All students	All students who take high school tests in middle school grades are eligible for incentive points	Mastery/Good=25 Advanced/Excellent=50

Assessment Index: LEAP Connect and LAA 1

The test scores for students who have scores from the 2018 LEAP Connect and LAA 1 are included in the SPS. Students must meet participation requirements each year and their current IEPs must document their eligibility prior to the opening of the LEAP Connect/LAA 1 testing window. The alternate test types (LEAP Connect/LAA 1) are separated because the performance levels and associated scales are different.

LAA1 Science	Number of Test Units			Subject Weight	Total Points Weighted	Total Test Units Weighted	Assessment Index by Subject
	Performance Levels						
	Exceeds Standard (150)	Meets Standard (100)	Working Toward Standard (0)				
ELA							
MATH							
SCI				1	0	0	0.0
LAA1 Assessment Index*					0	0	0.0

*Please include only full academic year (FAY) students in assessment index calculation calculations. Include students who should have tested but did not.

LEAP Connect (Grades 3-8)	Number of Test Units				Subject Weight	Total Points Weighted	Total Test Units Weighted	Assessment Index by Subject
	Performance Levels							
	Level 4 (150)	Level 3 (100)	Level 2 (80)	Level 1 (0)				
ELA					2	0	0	0.0
MATH					2	0	0	0.0
LEAP Connect Assessment Index*					0	0	0.0	

Assessment Index: LEAP Connect/LAA 1

To complete the LEAP Connect and LAA 1 tables, follow the same steps that were used for regular assessments.

1. Filter the students based on LEA and/or Site Flags. For a school, select only records with site flag of **Yes**.
2. Second, sort for test type. On rosters, LEAP Connect/LAA 1 is identified as test type 1.
3. Select the subject, and sort the students based on each achievement level. For LEAP Connect, number of students who scored *Advanced* (Level 4) in ELA, number of students who scored *Mastery* in ELA, etc. For LAA 1, number of students who scored Exceeds Standard in ELA, number of students who scored Meets Standard in ELA, etc.
4. Include forced zero records with achievement level of *Unsatisfactory* (Level 1).

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K8 Progress Index

The K8 progress index includes the growth of students in 2016-2017 and 2017-2018. The calculator averages all of the data from the two years. Students do not have to be in both years to be counted.

- Students who are included must meet the full academic year rule for the appropriate year.
- Students who are excluded from the assessment index are also excluded from the progress index.

1. Filter students by LEA and/or Site Flag of Yes
2. For ELA and math separately, sort by points earned (150, 115, 85, 25, 0) in both rosters.

K-8 Progress Index							
Subject	Number of students who earned (150)	Number of students who earned (115)	Number of students who earned (85)	Number of students who earned (25)	Number of students who earned (0)	Total number of students	Total points awarded
2016-2017 ELA						0	0
2016-2017 Math						0	0
2017-2018 ELA						0	0
2017-2018 Math						0	0
Sum						0	0
K-8 Progress Index***							0

* The K8 Progress Index is based on the school's average growth for two years.

For students who score Mastery in the current year, the lowest possible points awarded to them in the progress index is 85.

Students must be eligible for Steps 1 and 2 to be included in the progress index.

High School Progress Index Points

In 2017-2018, the high school progress index includes only one year of growth data from 2017-2018. Beginning with the 2019 SPS, the index will include two years of growth. The same steps for K8 are used to complete the table for the high school progress index.

EOC Progress Index							
Subject	Number of students who earned (150)	Number of students who earned (115)	Number of students who earned (85)	Number of students who earned (25)	Number of students who earned (0)	Total number of students	Total points awarded
English I						0	0
English II						0	0
Algebra I						0	0
Geometry						0	0
Sum						0	0
EOC Progress Index***							0

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Dropout/Credit Accumulation Index (DCAI)

Schools are awarded points for Carnegie credits earned by the end of 2017-2018 for students who:

- Were enrolled in grade 8 in 2016-2017 and were enrolled in grade T9 or 9 for the entire year in 2017-2018 (LEA and site flags are yes for both years) , unless they were counted as dropouts.
- Participated in the LAA 1 assessment (course experiences will count as credits only if students are on the Jump Start pathway for alternate assessment in STS)
- Zero points will be assigned to students who are dropouts.

For students who were repeating grade 8 in 2017-2018, see table below.

Student Description	Enrolled Grade 2015-2016	Enrolled Grade 2016-2017	Enrolled Grade 2017-2018	Inclusion
Students who were repeating grade 8 in 2017-2018	Grade 7	Grade 8	Grade 8	No
	Grade 8	Grade 8	Grade 8	Yes, as zero

DCAI Index

To complete table:

1. Filter by LEA and site flags (All **Yes** for school)
2. Sort by number of credits earned and include in corresponding cell in table.
3. Remove all credit filters and sort on first repeat flag. These students will be excluded from the SPS.
4. Remove first repeat flag filter and sort on second repeat flag. Include number of students with flag of **Yes** in the cell below “3rd year 8th graders.”
5. Remove all previous filters and sort for dropout flags of **Yes** for both 2016-2017 and 2017-2018. Add these students as zeros.

Dropout/Credit Accumulation Index											
	Carnegie Units (Index Point Award)									Total Number of Students	Total Index Points Awarded
	7 or more (150)	6.5 (125)	6 (100)	5.5 (75)	5 (50)	4.5 (25)	4 or less (0)	3rd year 8th graders (0)	Dropout (0)		
Number of Students*										0	0
Dropout/Credit Accumulation Index											0.0

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High School Assessment Index

High school assessments include the same full academic year rules that are applied to K8. However, scores include an important flag that identifies scores as initial. The initial flag identifies both earned scores and forced zeros that are included in the SPS. Initial flags identify the banked or repeat test as initial for students who took high school tests in middle school grades.

There are special forced zeros for high school that include:

- **EZ-*enrollment zero*** indicates that the student was enrolled in a course but did not participate in subject testing. School did not apply an accountability code during the testing window.
- **CZ-*cohort zero*** indicates that the student was in the third year assessment cohort and had to take English II or Algebra I.
- **MZ-*an earned score of zero*** from an achievement level of Needs Improvement/Fair or Unsatisfactory/Approaching Basic in a middle school grade and student did not retest

High School Assessment Index

High school students frequently have multiple records on the roster:

- Student took the high school assessment in different administration windows (Fall 2017, Spring 2018). Include all with site flag of **Yes** and initial flag of **Yes**.
- Student has a banked score from middle school and a current score from high school
- Student has incentive points from high school test taken in middle school grades

Site Name	Louisiana Secure ID	Last Name	First Name	Site Flag	LEA Flag	Algebra I						English I						
						Ach. Level	Middle School Incentive Points	Acct Code	Forced Zero Flag	Initial Tester Flag	Progress Index Points Earned	Ach. Level	Middle School Incentive Points	Acct Code	Forced Zero Flag	Initial Tester Flag	Progress Index Points Earned	
Brown High School	7497923374	DEF	J	Yes	Yes	UNS												
Brown High School	7497923374	DEZ	J	Yes	Yes	UNS												
Brown High School	1553232941	DOO	M	Yes	Yes	APP												
Brown High School	7655683239	EMS	M	Yes	Yes													
Brown High School	1177118222	EDW	Z	Yes	Yes	UNS												
Brown High School	1177118222	EDW	Z	Yes	Yes													
Brown High School	8333766746	EVE	M	Yes	Yes	UNS				I	0	APP				I	0	
Brown High School	8717428386	FLE	T	Yes	Yes													
Brown High School	9143697194	FLE	M	Yes	Yes	BAS				I	150	MAS				I	150	
Brown High School	2364161339	FLE	M	Yes	Yes							MAS				I	150	
Brown High School	3969288491	FLO	K	Yes	Yes													
Brown High School	3969288491	FLO	K	Yes	Yes													
Brown High School	5612876993	FLT	T	No	Yes	APP				I								
Brown High School	6497422126	FOL	J	Yes	Yes	FAI		MZ		I								

High School Assessment Index

Follow the steps below to use the roster to complete the table:

1. Filter students by site flag of **Yes** for school.
2. Select a subject test (English I, Algebra I)
3. Filter the assessments using the Initial test flag. Records that are not identified as initial are not used.
4. Include forced zeros where forced zero flag is **Yes** and Initial flag is **Yes**.
5. Enter the number of Advanced in ELA, number of Mastery in ELA, etc.

EOC (Grades 9-12)	Number of Test Units					Subject Weight	Total Points Weighted	Total Test Units Weighted	Assessment Index by Subject
	Advanced / Excellent (150)	Mastery/Good (100)	Basic (80)	Approaching Basic / Fair (0)	Unsatisfactory / Needs Improvement (0)				
English I						1	0	0	0
English II						1	0	0	0
English III						1	0	0	0
Algebra I						1	0	0	0
Geometry						1	0	0	0
Biology						1	0	0	0
U.S. History						1	0	0	0
EOC Assessment Index*							0	0	0

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ACT/Index

To be included in the ACT index, the student must:

- Be enrolled in grade 12
- Included for the first time in an ACT index
- Meet full academic year requirements

The only students excluded from ACT testing are students who participated in LAA 1 in high school grades. All other pathways must test, including GED pathway. However, ACT does not use cohort graduation membership to determine inclusion.

If a student has a WorkKeys certificate in addition to an ACT score, use only the points awarded from WorkKeys or ACT, and not both (highest of two awarded).

ACT Index Points

ACT Index			
ACT Composite Score	ACT Index Score	Grade 12 Number of Test Units	Total Points Weighted
0-17	0.0		0.0
18 / Silver	70.0		0.0
19	80.0		0.0
20	90.0		0.0
21	100.0		0.0
22	103.4		0.0
23	106.8		0.0
24 / Gold	110.2		0.0
25	113.6		0.0
26	117.0		0.0
27	120.4		0.0
28	123.8		0.0
29	127.2		0.0
30	130.6		0.0
31 / Platinum	134.0		0.0
32	137.4		0.0
33	140.8		0.0
34	144.2		0.0
35	147.6		0.0
36	150.0		0.0

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Cohort Graduation Rate and Strength of Diploma

The cohort graduation table will calculate both the cohort graduation rate index and the strength of diploma index.

- Students must have LEA/site flags of Yes, indicating that they meet inclusion rules.
- Some students are included in the strength of diploma index, but are not included in the graduation rate. The calculator will exclude them when the table is correctly completed.
 - 5th and 6th year graduates
 - Students earning HiSET

HS Diploma earned through pathway for students assessed on the LAA1	100		0
HiSET plus Jump Start credential	40		0
HiSET	25		0
Non-graduate without HiSET	0		0
5th year graduates with AP (3+) or IB (4+) CLEP (50+) or Advanced JumpStart Credential	140		0
5th year graduates	75		0
6th year graduates	50		0
Sum (Cohort Graduate Count)		0	0
Sum (Cohort Member Count)		0	0
Strength of Diploma Index*			0
Graduation Rate (Percent)*			0
Cohort Graduation Rate Index			0

Cohort Graduation Rate and Index

To complete the table:

1. Filter the student list by LEA and/or site flag. For school, select students with site flag of **Yes**.
2. Sort students by points earned.
3. Insert the sum of students in each category in the table.

Strength of Diploma Index and Cohort Graduation Rate			
Student Result	Points for Each	Cohort Member Count	Total Points
HS Diploma plus (a) AP (3+), IB (4+), or CLEP (50+) AND Advanced statewide Jump Start credential OR (b) Earning an associate's degree	160		0
HS Diploma plus (a) AP (3+), IB (4+), or CLEP (50+) OR (b) Advanced statewide Jump Start credential.	150		0
HS Diploma plus (a) At least one passing course grade for TOPS core curriculum credit of the following type: AP**, college credit, dual enrollment, or IB**; AND (b) Basic statewide Jump Start credential **Students must take the AP/IB exam and pass the course.	115		0
HS Diploma plus (a) At least one passing course grade for TOPS core curriculum credit of the following type: AP**, college credit, dual enrollment, or IB**; OR (b) Basic statewide Jump Start credential **Students must take the AP/IB exam and pass the course.	110		0
Regular HS Diploma (Four-year graduate - Includes Career Diploma student with a regional Jump Start credential)	100		0
HS Diploma earned through pathway for students assessed on the LAA1	100		0
HiSET plus Jump Start credential	40		0
HiSET	25		0
Non-graduate without HiSET	0		0
5th year graduates with AP (3+) or IB (4+), CLEP (50+) or Advanced JumpStart Credential	140		0

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Resources and Assistance

To access a copy of the School Performance Score (SPS) calculator: Locate the calculator for the appropriate year in the [accountability resources library](#).

For policy clarification: Refer to Bulletin 111

For questions: Contact Jennifer Baird at Jennifer.Baird@la.gov or assessment@la.gov.