

Department of Education

## Agenda

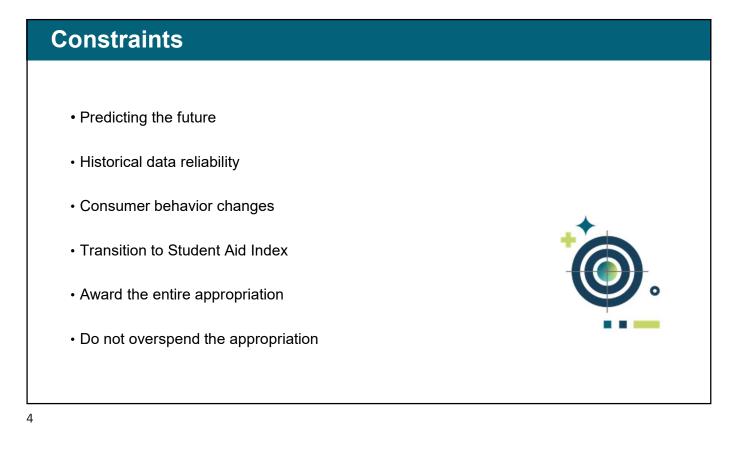
- What is projection modeling
- Constraints
- High-Level Assumptions
- Timeline
- Reporting Deadlines
- Attrition
- Examples



## What is projection modeling?

- · Analysis of application data to predict future expenditures
- Goal establish awarding parameters to authorize student awards once appropriations enacted.
- Awarding parameter variables can include (where not statutorily established):
   Student Aid Index range

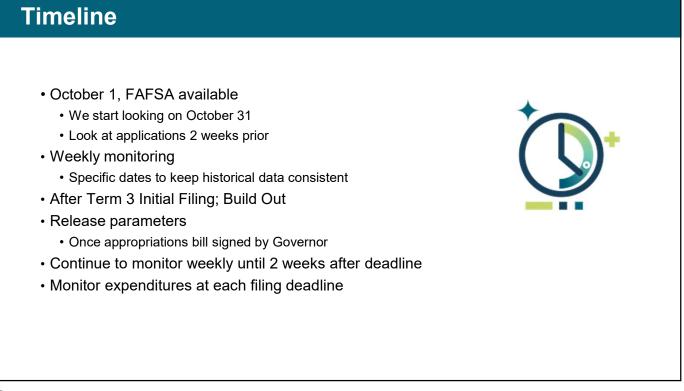
  - Application deadline
    Maximum award
- Programs:
  - All Iowa Opportunity Scholarship
  - Education and Training Voucher
  - Future Ready Iowa Grant
  - Future Ready Iowa Last-Dollar Scholarship
  - Iowa Tuition Grant (not-for-profit)
  - Iowa Tuition Grant (for-profit)
  - Iowa Vocational-Technical Tuition Grant
  - National Guard Service Scholarship (Iowa National Guard projects)
  - Skilled Workforce Shortage Tuition Grant (Kibbie Grant)
  - · Workforce Grant and Incentive Program



## **High Level Assumptions**

- How many eligible applications will we receive on or before a future date?
  - Provides us with data on how the upcoming year might differ from previous years in terms of the number of eligible applications we will have on or before a future deadline.
  - Key: Consistency in the date of application release for consistent year-over-year comparisons.
- Of those eligible applications, how many will enroll at an eligible institution and receive at least \$1 in funding?
  - Conversion rate
  - · Key: Consistency in consumer behaviors (enrollment patterns)
- How much of the maximum award, on average, will recipients earn over the course of the academic year?
  - · Average to maximum award rate
  - Key: Consistency in consumer behaviors (full-time vs part-time, withdrawal rates, etc)





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# **Reporting Deadlines**

- Review expenditures each deadline
  - Ensure all reporting completed
  - Data Validations
  - Consider Modular Adjustments
- Mid projection cycle we are able to build out year after Term 3 initial data

	Payment Terms and Deadlines									
Term			Initial File Due	Final Updates Due						
1	Fall	Semester/Quarter	October 15	December 1						
2	Winter	Quarter	January 2	February 15						
3	Spring	Semester/Quarter	February 15	May 1						
4	Spring	Quarter	April 1	June 15						
5	Late Spring	Semester	June 1	July 15						
6	Summer	Semester/Quarter	June 15	July 31						

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## Attrition

- Compare payment rates by term
  - Historical review (trends/averages)
- · Used to monitor expenditures throughout the year at each filing deadline

	HEDULED	ICAPS SCHEDULED	PAYMENT	PROJECTED	STUDENTS	ACTUAL	CURRENT	UPDATED	SCHEDULED	PAYMENT	PROJECTED		ACTUAL	CURRENT	UPDATED
	PMT #1	STUDENTS	RATE	PMT #1	PAID	PMT #1	PMT. RATE	ROJ. PMT #	PMT #3	RATE	PMT #3	PAID	PMT #3	PMT RATE	PROJ. #3
Fal	Il Sem./Qtr.								Spring Sem.						
s	3,631,550	6,068	13.17%	\$478,325	947	431128	11.87%	\$431,128	\$431,128	82.24%	\$354,572			0.00%	\$354,572
S	1,292,363	2,231	14.38%	\$185,811	375	159757	12.36%	\$159,757	\$159,757	84.90%	\$135,630			0.00%	\$135,630
S	191,600	304	8.52%	\$16,322	33	19525	10.19%	\$19,525	\$19,525	80.36%	\$15,690			0.00%	\$15,690
S	1,066,000	1,756	17.25%	\$183,880	355	191666	17.98%	\$191,666	\$191,666	83.11%	\$159,286			0.00%	\$159,286
S	438,254	1,113	21.14%	\$92,653	263	104914	23.94%	\$104,914							
s	1,153,650	1,988	18.31%	\$211,249	400	218651	18.95%	\$218,651	\$218,651	81.48%	\$178,166			0.00%	\$178,16
s	358,550	582	17.66%	\$63,331	116	64267	17.92%	\$64,267	\$64,267	85.70%	\$55,079			0.00%	\$55,07
S	801,750	1,340	12.83%	\$102,863	172	95030	11.85%	\$95,030	\$95,030	83.09%	\$78,965			0.00%	\$78,96
S	2,738,675	4,547	12.90%	\$353,179	717	355914	13.00%	\$355,914	\$355,914	91.04%	\$324,020			0.00%	\$324,02
S	343,175	585	19.30%	\$66,220	70	43105	12.56%	\$43,105	\$43,105	82.60%	\$35,606			0.00%	\$35,60
S	446,100	706	16.11%	\$71,849	111	63216	14.17%	\$63,216	\$63,216	87.12%	\$55,074			0.00%	\$55,07
S	612,900	1,014	20.98%	\$128,581	207	94819	15.47%	\$94,819	\$94,819	87.27%	\$82,748			0.00%	\$82,74
S	348,450	554	27.64%	\$96,302	142	64875	18.62%	\$64,875	\$64,875	93.63%	\$60,740			0.00%	\$60,74
S	566,050	999	14.12%	\$79,945	137	73623	13.01%	\$73,623	\$73,623	71.01%	\$52,280			0.00%	\$52,28
S	345,700	583	21.87%	\$75,588	95	51238	14.82%	\$51,238	\$51,238	86.10%	\$44,117			0.00%	\$44,11
s	1,008,500	1,766	10.41%	\$105,000	407	204175	20.25%	\$204,175	\$204,175	80.80%	\$164,964			0.00%	\$164,96
S 15	5,343,267.00	26,136	15.34%	\$ 2,311,097,29	4,547	\$ 2,235,903.00	14.57%	\$2,235,903	\$ 2,130,989	85,10%	\$1,796,937		\$0	0.00%	\$1,796,93



### **Iowa Tuition Grant**

			2022-23		2023-2024		% change
			Total apps	%	0-15,000 Total apps	%	last year
	31-Oct			21.38%	2738		1.18%
	7-Nov 14-Nov	3152 3591		24.90% 28.37%	3217 3622		2.06% 0.86%
<ul> <li>Applications to date</li> </ul>	21-Nov	3932		31.06%	3947		0.88%
Applications to date	28-Nov	4271		33.74%	4286		0.35%
A Total Applications	5-Dec			37.00%	4675		-0.19%
<ul> <li>Total Applications</li> </ul>	12-Dec	4930	12659	38.94%	4914		-0.32%
	19-Dec			40.61%	5168		0.53%
<ul> <li>College Participating</li> </ul>	26-Dec			42.02%	5394		1.41%
	2-Jan	5672		44.81%	5706		0.60%
<ul> <li>EFC/SAI Range</li> </ul>	9-Jan	6035		47.67%	6101		1.09%
00.04 Demonstrate and a set of theme.	16-Jan 23-Jan	6399 6704		50.55% 52.96%	6612 6938		3.33% 3.49%
23-24 Parameters released June 2	30-Jan	7033		55.56%	7321		4.09%
	6-Feb			58.35%	7606		2.96%
<ul> <li>Decision based on May 29</li> </ul>	13-Feb	7628		60.26%	7825		2.58%
	20-Feb	7862	12659	62.11%	8039		2.25%
<ul> <li>Really looking at May 15 Data</li> </ul>	27-Feb			63.96%	8295		2.45%
, , , ,	6-Mar	8361		66.05%	8565		2.44%
	13-Mar	8591		67.86%	8798		2.41%
	20-Mai	8771		69.29%	9045		3.12%
	27-Mar 3-Apr	8985 9225		70.98%	9281 9512		3.29% 3.11%
◆ ○	10-Api			74.48%	9688		2.75%
	17-Ap			75.97%	9886		2.80%
	24-Apr			77.91%	10118		2.60%
	1-May	10087	12659	79.68%	10372		2.83%
	8-May	10306		81.41%	10627		3.11%
	15-May	10508	12659	83.01%	10874		3.48%
	22-May	10670		84.29%	11059		3.65%
	29-May	10910		86.18%	11104		1.78%
T	5-Jun 12-Jun	11139 11362		87.99% 89.75%			-100.00%
	12-Jun 19-Jun	11362		91.80%			-100.00%
	26-Jun			94.87%			-100.00%
	3-Jul	12659		100.00%			-100.00%

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#### **Iowa Tuition Grant** • Determining Percentages (Build Out) Average to Max • Application to Recipient Rate (Conversion Rate) • Annual, 2 year, and 3 year averages · Remove any special priority to keep historical data consistent EFC Ranges (in increments of 100) Max AY 2 year 2022-23 2022-23 2022-23 average 2YR EDExpress average applicants recipients 2YR 2YR Ave 2YR Ave awards per EDExpress Recipients applicants minus SP 2YR ave \$ 2022-23 \$\$ ITG max recipient 2YR Ave Max App to Award to Max wd to Max % ward App to Rec % Awarded category Awarded Awards % vear average EOY PROJECTION minus SP 2 7500 7500 7500 2210 122 58 53.48% 75.78% 12528433 627675 362536 16575000 915000 435000 2,497 141 73 52.82% 65.43% 63.04% 76.06% 86.04% 86.60% 12,323,940 16,203,800 919,800 469,600 4132 75.59% 4,727 161 96 68.60% 83.34% 791,426 216 60.42%

# Iowa Tuition Grant

- Determining Recipients
  - Review Different SAI maximums

	0	1-100
5.15.23	3770	144
83.01%	4542	173
ear percentage	2,429	113
53.48%		
65.38%		
nts calculation	٦»	Recipients
	0 - 15,000	8,024
	0 - 15,500	8,145
	0 - 16,000	8,254
	83.01% ear percentage 53.48% 65.38%	5.15.23 3770 83.01% 4542 ear percentage 2,429 53.48% 65.38% ents calculation » 0 - 15,000 0 - 15,500

owa Tuition	Grant						
					award		
<ul> <li>Determining Maxi</li> </ul>	mum Amoun	0 - 15,000	)		7,750	7,750	7,750
Determining Maxi	mann / mouri	0 - 15,500	)		7,620	7,620	7,620
<ul> <li>Looking at stude</li> </ul>	nt count	0 - 16,000	)		7,500	7,500	7,500
-		1					
<ul> <li>Adjust maximum</li> </ul>	awaru			-			
		Award For	rmula 0 - 15,00	0		18,823,659	878,979
				-	W/Avg to Max	14,228,804	744,583
		Award For	rmula 0 - 15,50	0		18,507,907	864,235
			1 0 10 00	•	W/Avg to Max	13,990,127	732,094
		Award For	rmula 0 - 16,00	0		18,216,444	850,625
		÷			W/Avg to Max	13,769,810	720,565
		**Ave to N	124 96		0 EFC	75.59%	
		Ave to it	ALC 10		> 0 EFC	84.71%	
					FULIC	04./1/0	
	51,421,531	2.60%					
	Approp	Expenditures	Remaining	Award Amt			
Award Formula 0 - 15,000	51,421,531	50,961,587	459,944	7,750			
		6,351					
Award Formula 0 - 15,500	51,421,531			7,620			
		6,248					
Award Formula 0 - 16,000	51,421,531	and the second sec		7,500			
		6,152					

## **Iowa Tuition Grant**

- 2023-24 Year in Review Decision Points
  - Weekly expenditure projections
  - Appropriations enacted
  - Estimated expenditure after application deadline
  - Estimated expenditures after Initial Filing Deadline Term 1
     Expanded Eligibility
  - Estimated expenditures after Initial Filing Deadline Term 3
  - Actual expenditures at year end
    - Appropriation 51,421,531
    - Expenditures 51,374, 755
    - Remainder Reserve Fund



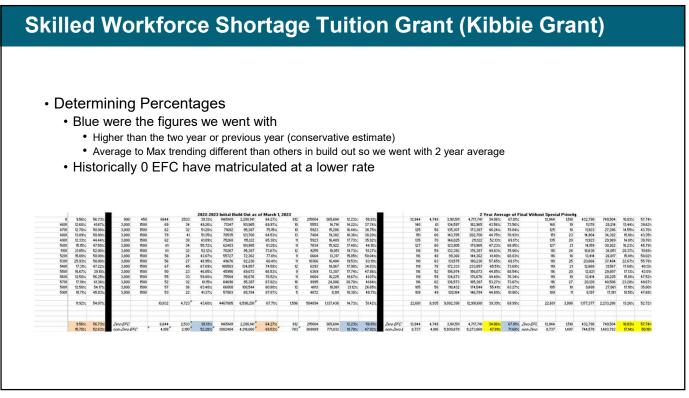
#### **Skilled Workforce Shortage Tuition Grant (Kibbie Grant)**

			2 Year A	verage		2023-24		
		Elig Proj	0-6000 To	Total Apps	%		0-6000 To Total App	%
		0.500	4 400		10.000	Proj Tab	RowN	
• • • • • • •	31-Oct 7-Nov	3,580 3,478	1,439	11,071 11,071	13.00%	3,725	1,344	#DIV/ #DIV/
<ul> <li>Applications to date</li> </ul>	14-Nov	3,492	2,093	11,071	18.91%	3,646	1,915	#DIV/
	21-Nov	3,506	2,402	11,071	21.70%	3,568	2,155	#DIV/
<ul> <li>Total Applications</li> </ul>	28-Nov	3,474	2,610	11,071	23.58%	3,615	2,374	#DIV/
	5-Dec	3,460	2,929	11,071	26.46%	3,615	2,665	#DIV/
<ul> <li>College Participating</li> </ul>	12-Dec	3,436	3,162	11,071	28.56%	3,669	2,927	#DIV/
	19-Dec	3,428	3,394	11,071	30.65%	3,691	3,169	#DIV/
<ul> <li>Program Code on FAFSA (i.e. associate or less)</li> </ul>	26-Dec	3,469	3,586	11,071	32.39%	3,691	3,353	#DIV/
EFC/SAI Range	2-Jan	3,499	3,806	11,071	34.37%	3,724	3,589	#DIV/
* EFC/SAI Range	9-Jan 16-Jan	3,459	4,062	11,071	36.69% 39.35%	3,828	3,941 4,442	#DIV/ #DIV/
23-24 Parameters released June 2	23-Jan	3,492	4,357	11,071	41.92%	4,011	4,442	#DIV/
• 25-24 Parameters released June 2	30-Jan	3,663	4,960	11,071	44.80%	4,075	5,152	#DIV/
Desision based on May 00	6-Feb	3,857	5,266	11,071	47.56%	4,052	5,441	#DIV/
<ul> <li>Decision based on May 29</li> </ul>	13-Feb	3,856	5,500	11,071	49.67%	4,034	5,662	#DIV/
Deally leading at May 45 Data	20-Feb	3,847	5,712	11,071	51.59%	4,953	5,857	#DIV/
<ul> <li>Really looking at May 15 Data</li> </ul>	27-Feb	3,827	5,935	11,071	53.61%	4,986	6,154	#DIV/
	6-Mar	3,753	6,197	11,071	55.98%	5,012	6,455	#DIV/
	13-Mar	3,708	6,436	11,071	58.13%	5,014	6,706	#DIV/
	20-Mar	3,892	6,654	11,071	60.10%	5,036	6,964	#DIV/
	27-Mar 3-Apr	3,918 3,945	6,888	11,071	62.21% 64.35%	5,061	7,239 7,462	#DIV/ #DIV/
	10-Apr	3,943	7,389	11,071	66.74%	5,036	7,729	#DIV/
	17-Apr	3,991	7,660	11,071	69.19%	5,024	7,998	#DIV/
	24-Apr	4,031	7,977	11,071	72.05%	5,002	8,301	#DIV/
	1-May	4,047	8,257	11,071	74.58%	5,116	8,793	#DIV/
	8-May	4,072	8,558	11,071	77.30%	5,125	9,137	#DIV/
	15-May	4,068	8,869	11,071	80.11%	5,140	9,503	#DIV/
	22-May	4,073	9,188	11,071	82.99%		9,846	#DIV/
	29-May	4,078	9,454	11,071	85.39%		9,939	#DIV/
	5-Jun 12-Jun	4,083	9,691	11,071	87.53% 89.78%	_		#DIV/ #DIV/
	12-Jun 19-Jun	4,076	10,231	11,071	92.41%			#DIV/
	26- Jun	4 079	10,201	11.071	05 4196			#DN//

## Skilled Workforce Shortage Tuition Grant (Kibbie Grant)

- Determining Percentages
  - Average to Max
  - Application to Recipient Rate
  - Annual, 2 year, and 3 year averages

Expected Family	Kibbie												
Contribution	Grant AY:						Max AY						2022-23
Ranges (in	2022-23	Summer			AY App to	2022-23 AY	awards per	AY Award to		2022-23	2022-23	2022-23	Sum
increments of 100; 1-	award	Max	2022-23	2022-23 AY	Rec	\$\$	Recipient	Max	2022-23	Sum	Max	App to	Awardto
100, 101-200, etc	formula	Award	Applicants	Recipients	Percentage	Awarded	Category	Percentage	SummRec	Awarded	Awards	Rec %	Max %
					2022-20	23 Iniital E	Build Out as	s of March	1, 2023				
0	900	450	6644	2533	38.13%	1465401	2,280,141	64.27%	812	215004	365,604	12.23%	58.81
1	900	450	152	76	49.77%	46065	68,086	67.66%	30	9779	13,639	19.94%	71.70%
101	900	450	91	37	40.96%	24787	33,550	73.88%	11	3533	5,162	12.61%	68.442



#### Skilled Workforce Shortage Tuition Grant (Kibbie Grant)

#### · Determining recipients based on applications

- Term 1-5 (Below)
- Term 6 different percentages used

ENTRYDATE		0	1-100	101-200	201-300	301-400	401-500
	20230515	6012	129	83	78	72	70
	80.11%	7505	161	104	97	90	
*eligible applicants	to recipients =	2,862	84	54	51	47	46
Projected eligible a	pplications to r	ecipients calculation :	Academic Ye	ar Recipients; Doe	es not include sur	nmer recipients	
Projected recipient	is:	0 - 6,000	5,140				
0 - 6,000		900	900	900	900	900	900
Award Formulas -	Term 1 through	h 4					
Award Formula 0	- 6,000	2,575,520	75,771	48,752	45,815	42,291	41,116
		1,725,940	54,314	34,947	32,841	30,315	29,473
	If projection is	2,448,744	71,983	48,314	43,524	40,178	33,060
		1633,643	51,599	33,199	31,199	28,799	27,999
**Ave to Max %	0 EFC	67.01%					
	> 0 EFC	71.68%					

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#### **Skilled Workforce Shortage Tuition Grant (Kibbie Grant)**

- · Evaluating expenditures compared to appropriations
- · If new programs of study approved
  - Average per recipient estimated for the year
  - Proposed programs are vetted with each eligible college to determine potential recipients and expenditures

	Approp	Expenditures	Remaining	PROJ Summer	t,
Award Formula 0 - 6,000*	5,000,000				Í
		5,140			

	2023-2024	Additional exp	Proj for new POS	0	New Recipi	ients
After Summer	Additional from	new POS	Over/(Under) Committee	d	· ·	
-11,948	0	)	11,948	Average Per	Recipient	975

