# Using Economic Impact Data to Demonstrate an Agency's Relevance

2018 Florida Recreation and Parks Association
Annual Conference
Orlando, Florida

Chris Nunes, CPRE
Director of Parks and Recreation
The Woodlands Township
The Woodlands, Texas

# **Background Information**

THE MASTERS

### Major Tournaments Add about \$1 Billion in Economic Impact to Host Cities

SEC Tournament's economic impact tops \$20M

Sports Council study finds visitors spent an average of about \$300 per day

**AUTHORS David Boclair** 

The 2017 Southeastern Conference men's basketball tournament was the most successful

Four-day Colorado Springs hockey's event was worth tournament has \$2 million economic nark.

# **Background Information**

 Are we capable of running a tourney with an economic impact of \$1 Billion, \$20 million or \$2 million????



 Should we use our facilities at lost leaders? There are three kinds of lies: lies, damned lies, and statistics.

# Session Objectives

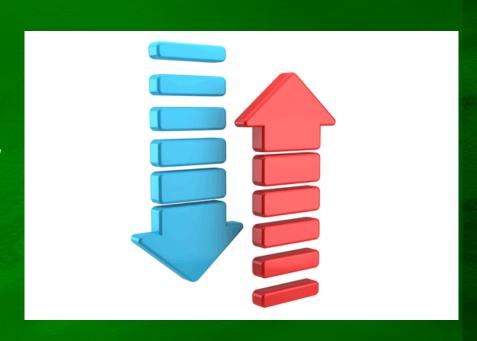
- Review terms and definitions related to economic impact
- Identify a model that minimizes the overexaggeration of economic activity
- Develop an economic impact plan for a program or facility



### **Background Information**

# Why Measure Economic *Activity* and *Impact*?

- Understand positive and negative impact
- Evaluation Tool- to subsidy or not?
- Revenue generation
- CVB Game
- Your Board!!!!!!!



# Economic Activity= spending.....

- Purchase of sporting goods
- Purchase of meals before/after games/practices
- Other...



What is the economic activity related to your sports complex, recreation center, community center, etc.??

#### Soccer- Activity at one complex/sport

Fields	5			
Days of Week	5			
Practices Per Day	3			
Kids Per Practice	30	15 per half field		
Total Users Per Week	2250			
Number of Weeks in a season	10			
Total Number of Seasons	2			
Total User Days	45000			

So....what is spent by the LOCAL's on soccer??????

### What is spent by **LOCAL's** person on soccer?



	Kids	Cost	% of Users	Activity
Cleats	2250	\$30	0.5	\$33,750
Shin Guards	2250	\$10	0.5	\$11,250
Socks	2250	\$10	1	\$22,500
Spirit Ware (t-shirts)	2250	\$15	0.5	\$16,875
Uniforms	2250	\$15	1	\$33,750
Dinner Out	2250	\$50		\$112,500
Trophy	2250	\$6		\$13,500
Other???????				
				\$244,125









Assuming one kid per practice per week

So....there is \$250K on one sport. What about all of the youth

sports ?????

?????	2		Soccer	Lacrosse	Rugby	Basebal	I Softba	II	Football	
	Fields			5	3		2	LO	8	5
	Days of Week Practices Per Day			5	5		2	2	2	5
				3	2		2	2	2	2
	Kids Per F	Practice		30	25	2	5 :	1.5	15	18
	Total Users Per Week			2250	750	20	0 60	00 4	180	900
	Number of Weeks in a season			10	15	1	5 :	12	12	12
	Total Nur	nber of Se	asons	2	1		1	2	2	1
		Total	User Days	45000	11250	300	0 1440	00 115	520	10800
		Cost	% of Users	Soccer	Lacrosse	Rugby	Baseball	Softball	Fo	otball
Cleats		\$30	0.5	\$33,750	\$11,250	\$3,000	\$9,000	\$7,200		\$13,500
Shin Guards		\$10	0.5	\$11,250						
Bat/Glove		\$75	0.5				\$22,500	\$18,000		
e/Football Equ	ipment	\$100	0.5		\$37,500					\$45,000
Socks		\$10	1	\$22,500	\$7,500	\$2,000	\$6,000	\$4,800		\$9,000
rit Ware (t-shir	ts)	\$15	0.5	\$16,875	\$5,625	\$1,500	\$4,500	\$3,600		\$6,750
Uniforms		\$15	1	\$33,750	\$11,250	\$3,000	\$9,000	\$7,200		\$13,500
Dinner Out		\$50		\$112,500	\$37,500	\$10,000	\$30,000	\$24,000		\$45,000
Trophy		\$6		\$13,500	\$4.500	\$1,200	\$2,600	\$2,880		\$5,400
Other????????										
				\$244,125	\$115,125	\$20,700	\$84,600	\$67,680	\$	138,150
								Total	\$	670,380

This is why

Trophy Other?????

Lacrosse/Football 8

Spirit Ware (t-Uniform:

If our fields /centers were not there would this exist???



And

IN 2015 ALONE,

AMERICA'S LOCAL PUBLIC PARK AND RECREATION AGENCIES

GENERATED MORE THAN

\$154 BILLION
IN ECONOMIC ACTIVITY

AND THEIR OPERATIONS AND CAPITAL SPENDING SUPPORTED MORE THAN

# 1.1 MILLION JOBS

2017 NRPA Report

Can we do this analysis for our community center, ice rink, equestrian center, field house, batting cage, etc.???????

#### Can we do this analysis for our:

- Community center
- Fairground
- Marina
- Natatorium
- Water Park/Pool
- Equestrian center
- Field house
- Adventure center
- Batting Cage
- Other????



# **Economic Impact**

# What is Economic Impact?

Changes in economic activity within a region resulting from some action



Not all economic activity is economic impact

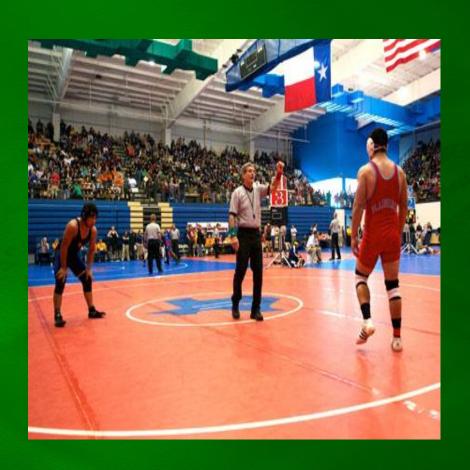
# **Economic Impact**

Changes—what "changes" can occur as a result of a parks and recreation agency?



# Programs/Events/Touranments

- Festivals
- Art Shows
- Agriculture based
- Field Sports
- Diamond Sports
- Track
- Motor Races-Running/Cycling
- Combat Sports
- Scrapbooking?????



#### **Facilities**

- Sports Complexes
- Recreation Centers
- Aquatic Complexes
- Fairgrounds
- Beaches/Lakes
- Open Space
- Arts/Culture
- Waterways
- Mountains
- Bike Park
- Disc Golf Course

- Performing Arts
- Zoo's
- Other??????



Griffin Bike Park- Indiana

# Your Department????????

 Can your department have an economic impact (or activity)?

- Jobs?
- Spending?
- Economic Development?
- Assessed/Taxable Value??



# Your Department????????

Managing Leisure 10, 203-218 (October 2005)



# The impact of parks on property values: empirical evidence from the past two decades in the United States

John L. Crompton

Department of Recreation, Park and Tourism Sciences, Texas A&M University, TX, USA

The notion that parks have a positive impact on proximate property values was recognized in the debates surrounding the pioneering of large urban parks in England in the first half of the nineteenth century, and subsequently in the spread of this movement to the US in the latter half of that century. The empirical basis for these early assertions was rudimentary and naïve. This paper reviews contemporary research using the more advanced analytical procedures now available to social scientists that has examined this issue. The findings confirm the initial rationale and suggest that a positive impact of 20% on property values abutting or fronting a passive park is a reasonable starting point guideline for estimating such a park's impact.

# Your Department????????

Another key objective of this study was to identify the **value** that Parks and Recreation Facilities add to the Township, specifically in terms of actual dollars. In the survey the residents were asked to estimate the amount of value added to their home that could be attributed to the current Parks and Recreation System. The respondents attributed **16% of the value of their homes to the Park System.** Taking this one step further and based on current tax value and tax rate, the Parks and Recreation System **adds \$4,600,000.00 in annual tax revenue to the Township**.

Year	Taxable Value	Value	Tax Rate	Impact to Role	Park Ops Budget
2012	\$12,600,000,000.00	16%	0.325	\$6,552,000.00	\$5,808,207.00
2013	\$13,200,000,000.00	16%	0.3173	\$6,701,376.00	\$6,763,614.00
2014	\$14,300,000,000.00	16%	0.294	\$6,726,720.00	\$6,934,349.00
2015	\$16,200,000,000.00	16%	0.25	\$6,480,000.00	\$6,922,367.00
2016	\$18,400,000,000.00	16%	0.23	\$6,771,200.00	\$7,387,950.00
2017	\$19,600,000,000.00	16%	0.23	\$7,212,800.00	\$8,122,651.00
2018	\$19,700,000,000.00	16%	0.23	\$7,249,600.00	\$8,859,201.00

What does this include? What does this not include??

# Key Terms

- Direct Impact
- Indirect Impact
- Induced Impact
- Leakage
- Zero Sum Effect
- Region/New Money
- Multipliers
- What we cannot measure.....



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# Direct Impacts

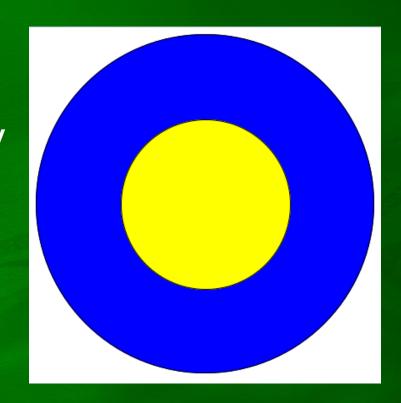
The impact generated by businesses that provide goods and services directly to event/facility attendees i.e. restaurants, accommodations, gas



# **Primary**

# Indirect Impacts

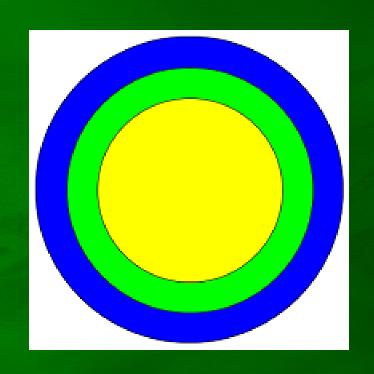
Impact resulting from the expansion of demand from business that directly provide goods and services to event/facility attendees to other businesses or sectors, i.e. Food suppliers



# Secondary

# Induced Impacts

Impact associated with the re-spending of labor income and/or profits earned that serve event/facilities attendees directly and indirectly i.e. shelter, food, clothing



# **Tertiary**

### CAUTION.....

 Just because your have a great facility or have a large event, program or tourney <u>DOES NOT</u> <u>MEAN YOU HAVE</u> <u>ECONOMIC</u> IMPACT.....

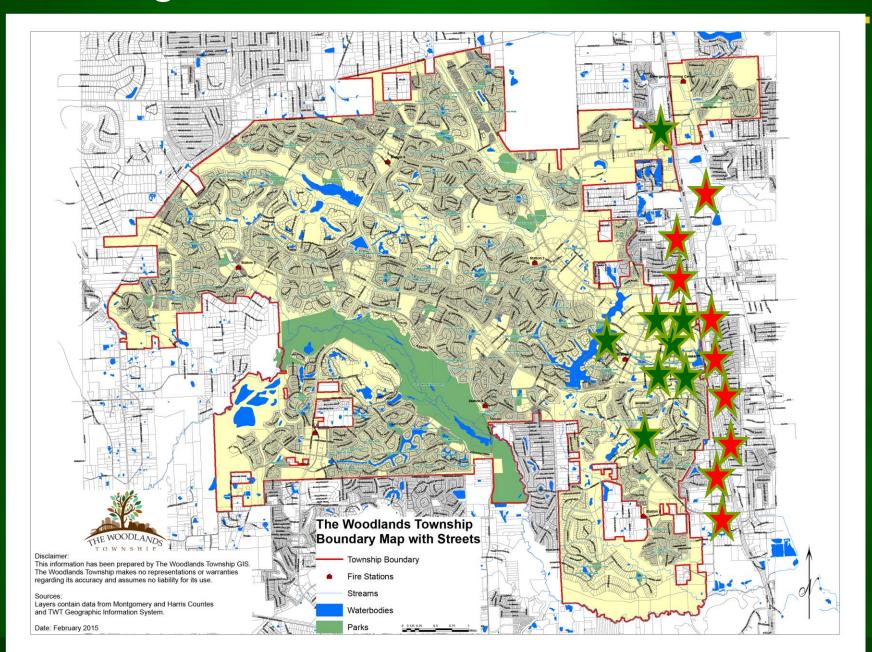


### Leakage

- Spending outside of hosting/taxing area.....
  - Not all spending will occur in your "region"
  - Not all vendors will source locally.



### Leakage



### Leakage

		No Leakage		25% Leakage		50% Leakag
Teams	10	Cost Per Night	\$100.00	\$100.00		\$100.00
Players/Coaches	15	Total Revenue	\$22,500.00	\$16,875.00		\$11,250.00
Traveling Party	1.5	Hotel Tax Rate	9.00%	9.00%		9.00%
Total People	225	Hotel Tax Revenue	\$2,025.00	\$1,518.75		\$1,012.50
Hotel Nights- 2	112.5					
Number of Nights	2					
Total Hotel Nights	225					

What is not identified in this leakage formula???

#### Zero Sum Effect.....

- When spending on one activity <u>substitutes</u> for other spending
- Can account for as much as 5-50% of direct event spending
- Money was already going to be spent
- Basically double dipping



### What is my Region???

- Depending on the event your region can be...
  - Portion of a City/Town
  - Town/City
  - County or Counties
  - Region within a State or.....
  - Statewide



4<sup>th</sup> of July vs Super Bowl

### What is my Region???

- Economic Impact is not all "local", i.e. nearby....
  - Jackson State Lake
  - Towns provided support services
  - People stop
     off/purchase items
     before heading to
     the lake



### Why is my Region Important????

- The largest question is of "NEW MONEY".
- If there is <u>no new money</u> coming into the economy there is <u>NO ECONOMIC</u> <u>IMPACT</u>
- There may be ECONOMIC ACTIVITY but not ECONOMIC IMPACT



### Multiplier

- Ratio between direct and total effects (indirect/induced)
- Which once is the correct one to use?????

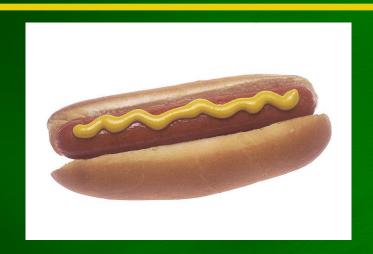
1x 2x

3x 4x

### Multiplier (another way to look at it)



# Multiplier (another way to look at it)









### Economic Impact Challenges-New Jobs, More Hours?????

- Does the "change" create:
  - New Jobs
  - More Hours
- What is the current capacity of the workforce??
- Is there new income generated for people???



### What we can NOT MEASURE

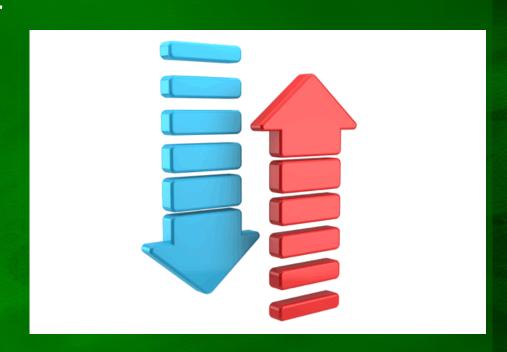
- Community Pride
- Sense of Community
- Value of media exposure
- Long term impacts on tourism, business attraction
- Value of "change" to surrounding areas, i.e. property values



### Economic Impact Of Visitor Spending

### Economic Impact Of Spending

- # of visitors X
- Average
   Spending Per Visitor X
- Multiplier =



Number of visitors- question to ask

- How many .....
  - are residents (locals)?
  - were there any way (casuals)?
  - people came just for this event from outside your region?
  - people came this weekend versus the next (time switchers) ?????

#### Visitors Questions

- Zip Code
- Type of visitor
   Days at event
- # of people in group
- Amount spent



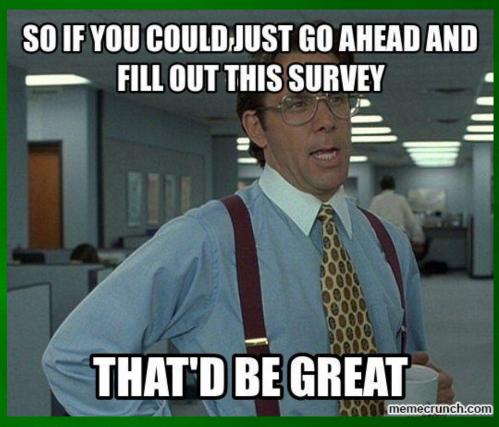
### How do I count the visitors????

- Tickets sold
- Parking Lot
- Traffic counters
- Aerial Photography



#### Average Spending-Questions to ask??

- Entry Fees
- Restaurants
- Concessions
- Groceries
- Shopping
- Lodging
- Gas and Oil
- Taxis
- Other



Make it easy on your self...what else can you use???

## So....what would be the impact for a soccer tournament (inputs)?

Event	Soccer Touranment	Notes
# of Teams/Participants	48	
# of Players Per Team	16	
Total Participants	768	
Days of Tourney	2	
Multiplier	2.6	Youth 2.6/Adult 1.7
Total Attendees	1996.8	
Total Attendee-Days	3993.6	
% of Local Attendees	50%	0-100%
% of Regional Attendees	50%	0-100%

### Now...how much DIRECT spending occurs??

Average F/B Per Person	\$17	\$35 All Day/\$17 half day
Average F/B Leakage	60%	]
FB Total	\$20,367	(Caculate only % of Regional Atteneees)
Average Misc Spending	\$14	\$38 All Day/\$14 half day
Average Misc Speding Leakage	60%	40% spending ouside TW
Total Misc Spending	\$16,773	(Caculate only % of Regional Atteneees)
Average Hotel Rate	\$119	
% of Woodlands Stays	50%	
		Days*Total Attendees*% of Reg
Hotel Nights	2595.84	AttendMultipler*% of Woodlands Stays
Hotel Total	\$308,905	

What are the direct, indirect and induced impacts???

Total Direct Impact		\$346,045		
F/B Tax Rate		2%		
Total FB Revenue		\$407		
Misc Spending Tax		2%		
Total Misc Spending		\$335		
Hotel Tax Rate		9%		
Total Hotel Tax		\$27,801		
Total Tax Generation		\$28,544		
New Economic Activity			Job Creation	New Income Generated
			\$62,590.00	\$20,000.00
Direct Impact		\$346,045	5.53	\$110,575.31
E2 Miltiplier (2.2)	2.2	\$761,300	12.16	\$243,265.69
3x Multipler	3	\$1,038,136	16.59	\$331,725.94
AYSO Model	4	\$1,384,182	22.12	\$442,301.25

### So....what would be the impact for a running race(inputs)?

Event	10 for Texas	Notes
# of Teams/Participants	3000	
# of Players Per Team	1	
Total Participants	3000	
Days of Tourney	1	
Multiplier	1.7	Youth 2.6/Adult 1.7
Total Attendees	5100	
Total Attendee-Days	5100	
% of Local Attendees	95%	0-100%
% of Regional Attendees	5%	0-100%

### Now...how much DIRECT spending occurs??

Average F/B Per Person	\$17	\$35 All Day/\$17 half day
Average F/B Leakage	90%	(switching)
FB Total	\$3,902	(Caculate only % of Regional Attendees)
Average Misc Spending	\$14	\$38 All Day/\$14 half day
Average Misc Speding Leakage	90%	90% spending (switching)
Total Misc Spending	\$3,213	(Caculate only % of Regional Atteneees)
Average Hotel Rate	\$119	
% of Woodlands Stays	50%	
		Days*Total Attendees*% of Reg
Hotel Nights	216.75	AttendMultipler*% of Woodlands Stays
Hotel Total	\$25,793	

### What are the direct, indirect and induced impacts???

Total Direct Impact		\$32,908			
F/B Tax Rate		2%			
Total FB Revenue		\$78			
Misc Spending Tax		2%			
Total Misc Spending		\$64			
Hotel Tax Rate		9%			
Total Hotel Tax		\$2,321			
Total Tax Generation		\$2,464			
New Economic Activity			Job Creation	New Income Generat	ed
			\$62,590.00	\$20,000.00	
Direct Impact		\$32,908	0.53	\$10,515.34	
E2 Miltiplier (2.2)	2.2	\$72,397	1.16	\$23,133.74	
3x Multipler	3	\$98,723	1.58	\$31,546.01	
AYSO Model	4	\$131,631	2.10	\$42,061.35	

### So....what would be the impact for ALL my departments events (inputs)?

		Days			Team				
		in		Average	Size	Estimate	Total	Leakage	% Out of
Sport	Event	Event	Age	Team Size	Multiplie	d Teams	Visitor Days	Factor	Region
Current E	vents								
B Lax	All American Lax	2	U 18	22	2.5	40	4400	50%	90%
B Soccer	Rush Cup	2	U18	16	2.5	100	8000	50%	60%
G Lax	Tx Playday	1	U18	20	2.5	15	750	50%	50%
B Rugby	HS Regional Champ	2	U18	20	2.5	10	1000	50%	50%
G Rugby	HS Qualifer	1	U18	18	2.5	8	360	50%	50%
Lax	7 for 7	1	U18	10	2.5	80	2000	50%	10%
Lax	Super 7	2	U19	10	2.5	35	1750	50%	25%
Running	10 for Texas	1	Adult	1	1	3000	3000	50%	5%
Tri	CB&I Tri	1	Adult	1	1	1400	1400	50%	5%
Running	Muddy Trails	1	Adult	1	1	1800	1800	50%	5%
							24460		

#### Now...how much DIRECT spending occurs??

			Averag		Hotel		Average		
Average F/B	F/B	F/B Tax	e Hotel	Hotel	Revenue	Hotel	Spending	Spending	Spending
PPPD	Revenue	(2%)	Rate	Usage %	*	Tax (8%)	PPPD	Revenue	Tax (2%)
\$45	\$89,100	\$1,604	\$100	0.5	\$39,600	\$3,168	\$35	\$69,300	\$1,386
\$45	\$108,000	\$1,296	\$100	0.5	\$48,000	\$3,840	\$35	\$84,000	\$1,680
\$45	\$8,438	\$84	\$100	0.5	\$3,750	\$300	\$35	\$6,563	\$131
\$45	\$11,250	\$113	\$100	0.5	\$5,000	\$400	\$35	\$8,750	\$175
\$45	\$4,050	\$41	\$100	0.5	\$1,800	\$144	\$35	\$3,150	\$63
\$45	\$4,500	\$9	\$100	0.5	\$2,000	\$160	\$35	\$3,500	\$70
\$45	\$9,844	\$49	\$100	0.5	\$4,375	\$350	\$35	\$7,656	\$153
\$45	\$3,375	\$3	\$100	0.5	\$3,750	\$300	\$36	\$2,700	\$54
\$45	\$1,575	\$2	\$100	0.5	\$1,750	\$140	\$37	\$1,295	\$26
\$45	\$2,025	\$2	\$100	0.5	\$2,250	\$180	\$38	\$1,710	\$34
	\$242,156	\$3,202			\$112,275	\$8,982		\$188,624	\$3,772

	Revenue	Tax
Total Hotel Revenu	\$112,275	\$8,982
F/B and Spending R	\$430,780	\$6,975
Total Direct Spendi	\$543,055	\$15,957

### What are the direct, indirect and induced impacts???

Revenue Growth		2017	2018	2019	2020	2021
New Hotel Revenue		\$112,275	\$138,772	\$164,375	\$186,237	\$201,416
New Hotel Tax*		\$8,982	\$12,489	\$14,794	\$16,761	\$18,127
New Spending Revenue		\$430,780	\$532,444	\$630,680	\$714,560	\$772,797
New Spending Tax		\$6,975	\$10,649	\$12,614	\$14,291	\$15,456
New Tax (Total)		\$15,957	\$23,138	\$27,407	\$31,053	\$33,583
New Spending (Hotel and Spend	ling)	\$543,055	\$671,216	\$795,055	\$900,798	\$974,213
New Economic Activity (E2 Multi	plier)-2X	\$1,086,110	\$1,342,432	\$1,590,111	\$1,801,595	\$1,948,425
New Economic Activity 3X		\$1,629,165	\$2,013,648	\$2,385,166	\$2,702,393	\$2,922,638
New Economic Activity (AYSO)-4	X	\$2,172,220	\$2,684,864	\$3,180,221	\$3,603,191	\$3,896,851

2022	2023	2024	2025	2026	2027
\$217,831	\$235,584	\$254,784	\$275,549	\$298,006	\$322,294
\$19,605	\$21,203	\$22,931	\$24,799	\$26,821	\$29,006
\$835,780	\$903,896	\$977,564	\$1,057,235	\$1,143,400	\$1,236,587
\$16,716	\$18,078	\$19,551	\$21,145	\$22,868	\$24,732
\$36,320	\$39,280	\$42,482	\$45,944	\$49,689	\$53,738
\$1,053,611	\$1,139,480	\$1,232,348	\$1,332,784	\$1,441,406	\$1,558,881
\$2,107,222	\$2,278,961	\$2,464,696	\$2,665,569	\$2,882,813	\$3,117,762
\$3,160,833	\$3,418,441	\$3,697,044	\$3,998,353	\$4,324,219	\$4,676,643
\$4,214,444	\$4,557,921	\$4,929,392	\$5,331,137	\$5,765,625	\$6,235,523

## What about jobs and income generational????.

	_	_	_	_	•	_	
Job Creation/New Income			2017	2018	2019	2020	2021
New Spending (Hotel and Spend	ling)		\$543,055	\$671,216	\$795,055	\$900,798	\$974,213
Job Creation			9	11	13	14	16
New Income Generated**			\$173,527.72	\$214,480.26	\$254,051.87	\$287,840.77	\$311,299.79
*Assumes a job created for every \$62,590 of spending							
**Assumes \$20,000 of new incom							

2022	2023	2024	2025	2026
\$1,053,611	\$1,139,480	\$1,232,348	\$1,332,784	\$1,441,406
17	18	20	21	23
\$336,670.72	\$364,109.39	\$393,784.30	\$425,877.72	\$460,586.76

### Jobs!!!!!!!!!

#### MAJOR EMPLOYERS NON-RETAIL



	COMPANY	EMPLOYEE COUNT		INDUSTRY	
1 Anadarko Petroleum Corporation		3920	Energy		
2 Conroe Independent School District		3476		Education	
3 Aon Hewitt		1800	Pr	rofessional Services	
4 Memorial Hermann The Woodlands Hospital		1800	Healthcare		
5 CHI St. Luke's Health The Woodlands Hospital		1369	Healthcare		
6 CB & I		911	Professional Services		
7 Huntsman Company LLC		833	Energy		
8 Woodforest National Bank		782	Banking		
9 Lone Star College - Montgomery		774	Education		
Baker Hughes		700	Energy		
11 The Woodlands Resort & Conference Center / HHC Hospitality		675	Hospitality & Entertainment		
12 Chevron Phillips Chemical Company		669	Energy		
McKesson Specialty Health		640	Healthcare		
4 Cynthia Woods Mitchell Pavilion		550	Hospitality & Entertainment		
15 Halliburton		533		Energy	Troicessional Services
16 Repsol USA	58 Corporation			112	Professional Services
17 Sequoia Golf Woodla	59 Rigaku Americas			109	Life Science
18 CVS Corporation	60 Sigma-Aldrich			105	Life Science
19 Entergy	61 Newpark Resources			104	Energy
20 The Woodlands Tow	62 GE Infrastructure Water & Process Technologies			102	Professional Services
21 Fox Network Center	63 Chart Industries			102	Energy
22 Tetra Technologies	64 Park Manor of The Woodlands			100	Healthcare
23 Nexeo Solutions	65 Petroleum Wholesale			100	Energy
24 Lone Star College Sys	66 Apollo Hospital			100	Healthcare
25 Montgomery County	67 Afren Resources			100	Energy
26 Wells Fargo & Co.		* This number does	not reflect retail locations		

#### Final thoughts

- Economic impact is a great tool-----when properly done
- Need to state the parameters and LIMITATIONS of the analysis
- A thorough analysis does not result in the largest economic impact number



# Don't believe the hype...be able to explain it....



Here's what some event producers just won't tell you (and probably why the City went in another direction): South Padre Island's CVB meets and awards funding requests from events in January for the remainder of the year.

Last January, the owners of the SPI Marathon, Jailbreak Race Events, requested and received \$90,000 in funding from the City.

On page seven of their application, they said that they expected 11,000+ attendees. (I'm not sure if they meant participants or participants and family members.)

The bottom line is that the race had 829 finishers last November etween the marathon and half marathon. There were 1,319 in 2016 (aside from 80 half marathon relay teams) and 1,918 in 2015 (not counting 120 half marathon relay teams).

The City just simply didn't get in return what they invested.



## Don't believe the hype...be able to explain it....

All members of council were present during the meeting. To view the entire agenda, click here.

### 1. The council unanimously approved a contract to host the 2019 NCAA Division III football championships.

Shenandoah will also host the 2018 NCAA Division III football championships, also known as the Amos Alonzo Stagg Bowl, as the contract was approved a during the Oct. 25 meeting.

For the 2019 Stagg Bowl, the city will assume financial responsibility for the Woodforest Stadium buyout, artificial turf field painting and cleaning, the Gagliardi Banquet, the Championship banquet, the Fellowship of Christian Athletes breakfast, internet service, tailgating, hospitality, security, ticketing, promotional items and advertising, with a total financial liability capped at \$170,000.

The event is expected to vave an economic impact of \$221,750.

#### Thank You!!!!!!

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