

Tab 17	SB 318 by Richter; (Similar to H 0191) Regulation of Oil and Gas Resources						
877992	A	S	UNFAV	EP, Soto	Delete L.62 - 93:	01/13 07:13 PM	
900722	A	S	RCS	EP, Dean	Delete L.383:	01/13 07:13 PM	
503648	A	S	RCS	EP, Simpson	Delete L.425:	01/13 07:13 PM	
400966	A	S	RCS	EP, Dean	Delete L.435 - 437:	01/13 07:13 PM	
247368	A	S	WD	EP, Soto	Delete L.476 - 479:	01/13 07:13 PM	
116428	A	S	WD	EP, Soto	Delete L.604:	01/13 07:13 PM	
559396	A	S	RCS	EP, Dean	Delete L.613:	01/13 07:13 PM	
215552	A	S	RCS	EP, Dean	btw L.630 - 631:	01/13 07:13 PM	

The Florida Senate
COMMITTEE MEETING EXPANDED AGENDA
ENVIRONMENTAL PRESERVATION AND CONSERVATION
Senator Dean, Chair
Senator Simpson, Vice Chair

MEETING DATE: Wednesday, January 13, 2016
TIME: 4:00—6:00 p.m.
PLACE: Mallory Horne Committee Room, 37 Senate Office Building

MEMBERS: Senator Dean, Chair; Senator Simpson, Vice Chair; Senators Altman, Evers, Hays, Hutson, Simmons, Smith, and Soto

TAB	OFFICE and APPOINTMENT (HOME CITY)	FOR TERM ENDING	COMMITTEE ACTION
Senate Confirmation Hearing: A public hearing will be held for consideration of the below-named executive appointments to the offices indicated.			
Executive Director of St. Johns River Water Management District			
1	Shortelle, Ann B. (Gainesville)	Pleasure of the Board	Recommend Confirm Yeas 9 Nays 0
Governing Board of the St. Johns River Water Management District			
2	Drake, Charles W. (Orlando)	03/01/2019	Recommend Confirm Yeas 9 Nays 0
3	Roberts, Frederick N., Jr. (Ocala)	03/01/2019	Recommend Confirm Yeas 9 Nays 0
4	Howse, Ronald S. (Cocoa)	03/01/2019	Recommend Confirm Yeas 9 Nays 0
Executive Director of South Florida Water Management District			
5	Antonacci, Peter (Tallahassee)	Pleasure of the Board	Recommend Confirm Yeas 9 Nays 0
Governing Board of the South Florida Water Management District			
6	Accursio, Sam, Jr. (Homestead)	03/01/2019	Recommend Confirm Yeas 9 Nays 0
7	Peterson, Melanie (Wellington)	03/01/2018	Recommend Confirm Yeas 9 Nays 0
8	Moran, James J. (Wellington)	03/01/2019	Recommend Confirm Yeas 9 Nays 0
9	Harlow, Clarke (Fort Lauderdale)	03/01/2018	Recommend Confirm Yeas 9 Nays 0
10	Barber, Frederick T. III (Bonita Springs)	03/01/2019	Recommend Confirm Yeas 9 Nays 0
Executive Director of Suwannee River Water Management District			
11	Valenstein, Noah (Tallahassee)	Pleasure of the Board	Recommend Confirm Yeas 9 Nays 0

COMMITTEE MEETING EXPANDED AGENDA

Environmental Preservation and Conservation
Wednesday, January 13, 2016, 4:00—6:00 p.m.

TAB	OFFICE and APPOINTMENT (HOME CITY)	FOR TERM ENDING	COMMITTEE ACTION
Governing Board of the Suwannee River Water Management District			
12	Brown, Kevin W. (Alachua)	03/01/2019	Recommend Confirm Yeas 9 Nays 0
13	Williams, Bradley (Monticello)	03/01/2019	Recommend Confirm Yeas 9 Nays 0
14	Schwab, Richard (Perry)	03/01/2019	Recommend Confirm Yeas 9 Nays 0
Fish and Wildlife Conservation Commission			
15	Hanas, Richard L. (Oviedo)	08/01/2017	Recommend Confirm Yeas 9 Nays 0
16	Spottswood, Robert A. (Key West)	01/06/2018	Recommend Confirm Yeas 9 Nays 0

TAB	BILL NO. and INTRODUCER	BILL DESCRIPTION and SENATE COMMITTEE ACTIONS	COMMITTEE ACTION
17	SB 318 Richter (Similar H 191)	Regulation of Oil and Gas Resources; Preempting the regulation of all matters relating to the exploration, development, production, processing, storage, and transportation of oil and gas; requiring that a permit be obtained before the performance of a high-pressure well stimulation; requiring the Division of Water Resource Management to give consideration to and be guided by certain additional criteria when issuing permits, etc. EP 01/13/2016 Fav/CS AGG AP	Fav/CS Yeas 6 Nays 3

Other Related Meeting Documents

**STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections**

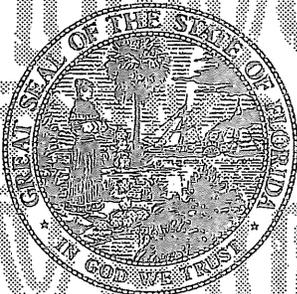
I, Ken Detzner, Secretary of State,
do hereby certify that

Ann B. Shortelle

is duly appointed

**Executive Director,
Saint Johns River Water Management
District**

for a term beginning on the
Twenty-First day of May, A.D., 2015,
to serve at the pleasure of the District's Governing Board
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.



*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Twentieth day of July, A.D., 2015*

Ken Detzner

Secretary of State

If photocopied or chemically altered, the word "VOID" will appear.

"State of Florida" appears in small letters across the face of this 8 1/2 x 11" document.



rick scott
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 JUN -8 AM 10:17
DIVISION OF ELECTIONS
TALLAHASSEE, FL

May 28, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have amended the following approval of appointment under the provisions of Section 373.079, Florida Statutes:

Dr. Ann B. Shortelle
8112 Southwest 45th Lane
Gainesville, Florida 32608-4223

as Executive Director of the St. Johns River Water Management District, subject to confirmation by the Senate. This appointment is effective for a term beginning May 21, 2015, and ending at the pleasure of the Board of Directors of the St. Johns River Water Management District.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED

15 JUN 25 AM 8:50

DIVISION OF ELECTIONS
SECRETARY OF STATE

STATE OF FLORIDA

County of Putnam

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

Executive Director, St. Johns River Water Management District

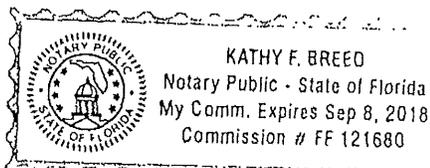
(Title of Office)

on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

[Handwritten Signature]
Signature

Sworn to and subscribed before me this 19 day of June 2015.
[Handwritten Signature]
Signature of Officer Administering Oath or of Notary Public



[Handwritten Name]
Print, Type, or Stamp Commissioned Name of Notary Public

Personally Known OR Produced Identification

Type of Identification Produced _____

ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

4049 Reid Street
Street or Post Office Box
Palatka, FL 32177
City, State, Zip Code

Ann B. Shortelle, Ph.D.
Print name as you desire commission issued
[Handwritten Signature]
Signature

The Florida Senate
Committee Notice Of Hearing

IN THE FLORIDA SENATE
TALLAHASSEE, FLORIDA

IN RE: Executive Appointment of
Ann B. Shortelle
Executive Director of St. Johns River Water Management District

NOTICE OF HEARING

TO: Dr. Ann B. Shortelle

YOU ARE HEREBY NOTIFIED that the Committee on Environmental Preservation and Conservation of the Florida Senate will conduct a hearing on your executive appointment on Wednesday, January 13, 2016, in the Mallory Horne Committee Room, 37 Senate Office Building, commencing at 4:00 p.m., pursuant to Rule 12.7(1) of the Rules of the Florida Senate.

Please be present at the time of the hearing.
DATED this the 8th day of January, 2016

Committee on Environmental Preservation and
Conservation



Senator Charles S. "Charlie" Dean, Sr.
As Chair and by authority of the committee

cc: Members, Committee on Environmental Preservation and Conservation
Office of the Sergeant at Arms

THE FLORIDA SENATE

COMMITTEE WITNESS OATH

CHAIR:

Please raise your right hand and be sworn in as a witness.

Do you swear or affirm that the evidence you are about to give will be the truth, the whole truth, and nothing but the truth?

WITNESS'S NAME: Ann B. Shortelle

ANSWER: I Do

Pursuant to §90.605(1), *Florida Statutes*: "The witness's answer shall be noted in the record."

COMMITTEE NAME: Environmental Preservation and Conservation Committee

DATE: January 13, 2016

**STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections**

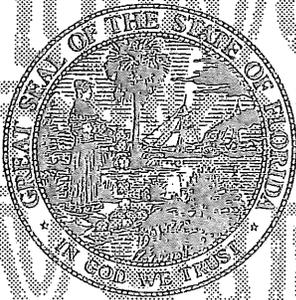
I, Ken Detzner, Secretary of State,
do hereby certify that

Charles W. Drake

is duly appointed a member of the

**Governing Board,
Saint Johns River Water Management
District**

for a term beginning on the
Twelfth day of June, A.D., 2015,
until the First day of March, A.D., 2019
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.



*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Twenty-First day of July, A. D., 2015.*

Ken Detzner

If photocopied or chemically altered, the word "VOID" will appear.

State of Florida appears in small letters across the face of this 8 1/2 x 11" document



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 JUN 17 AM 11:54
DIVISION OF ELECTIONS
TALLAHASSEE, FL

June 15, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following reappointment under the provisions of Section 373.073, Florida Statutes:

Mr. Charles W. Drake
1425 Conway Isle Circle
Orlando, Florida 32809

as a member of the Governing Board, St. Johns River Water Management District, subject to confirmation by the Senate. This appointment is effective June 12, 2015, for a term ending March 1, 2019.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED
DEPARTMENT OF STATE

2015 JUL -7 AM 10:1

DIVISION OF REGISTRATION
TALLAHASSEE, FL

STATE OF FLORIDA

County of ORANGE

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

GOVERNING BOARD MEMBER - ST. JOHNS RIVER WATER
(Title of Office) MANAGEMENT DISTRICT

on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

Charles W. Drake

Signature

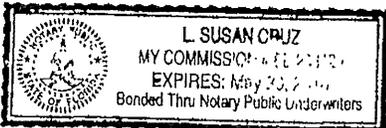
Sworn to and subscribed before me this 2 day of July, 2015.

L. Susan Cruz

Signature of Officer Administering Oath or of Notary Public

L. Susan Cruz

Print, Type, or Stamp Commissioned Name of Notary Public



Personally Known OR Produced Identification

Type of Identification Produced _____

ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

1425 CONWAY ISLE CIRCLE
Street or Post Office Box

ORLANDO, FL 32809
City, State, Zip Code

CHARLES W. DRAKE
Print name as you desire commission issued

Charles W Drake
Signature

THE FLORIDA SENATE

COMMITTEE WITNESS OATH

CHAIR:

Please raise your right hand and be sworn in as a witness.

Do you swear or affirm that the evidence you are about to give will be the truth, the whole truth, and nothing but the truth?

WITNESS'S NAME: Charles W. Drake

ANSWER: I Do

Pursuant to §90.605(1), *Florida Statutes*: "The witness's answer shall be noted in the record."

COMMITTEE NAME: Environmental Preservation and Conservation Committee

DATE: January 13, 2016

A black and white copy of this document is not official

2420

**STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections**

I, Ken Detzner, Secretary of State,
do hereby certify that

Fred N. Roberts, Jr.

is duly appointed a member of the

**Governing Board,
Saint Johns River Water Management District**

for a term beginning on the
Twenty-Seventh day of March, A.D., 2015,
until the First day of March, A.D., 2019
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the First day of May, A.D., 2015.*



Ken Detzner
Secretary of State

If photocopied or chemically altered, the word "VOID" will appear

State of Florida appears in small letters across the face of this 8 1/2 x 11" document



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 APR -1 AM 8:55
DIVISION OF ELECTIONS
TALLAHASSEE, FL

March 27, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following reappointment under the provisions of Section 373.073, Florida Statutes:

Mr. Frederick N. Roberts Jr
333 Northwest 3rd Avenue
Ocala, Florida 34475

as a member of the Governing Board, St. Johns River Water Management District, subject to confirmation by the Senate. This appointment is effective March 27, 2015, for a term ending March 1, 2019.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

STATE OF FLORIDA

County of MARION

RECEIVED
DEPARTMENT OF STATE
2015 APR 21 AM 10:03
DIVISION OF ELECTIONS
TALLAHASSEE, FL

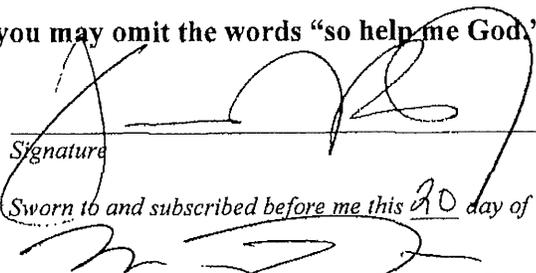
I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

Governing Board Member, St. Johns River Water Management District
(Title of Office)

on which I am now about to enter, so help me God.

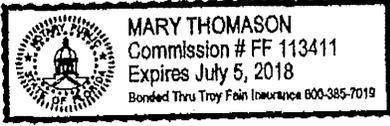
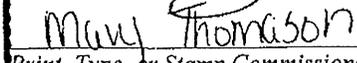
[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

Signature



Sworn to and subscribed before me this 20 day of April, 2015.

Signature of Officer Administering Oath or of Notary Public



Print, Type, or Stamp Commissioned Name of Notary Public

Personally Known OR Produced Identification

Type of Identification Produced _____

ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

702 SE 14th Avenue

Street or Post Office Box

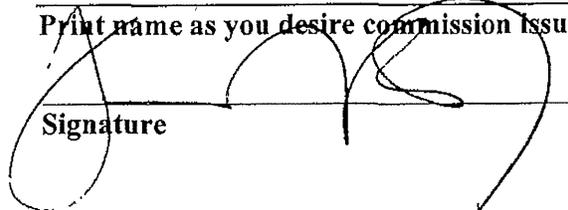
Ocala, FL 34471

City, State, Zip Code

FRED N. ROBERTS, JR

Print name as you desire commission issued

Signature



2420

STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections

I, Ken Detzner, Secretary of State,
do hereby certify that

Ron Howse

is duly appointed a member of the

**Governing Board,
Saint Johns River Water Management
District**

for a term beginning on the
Twelfth day of June, A.D., 2015,
until the First day of March, A.D., 2019
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the First day of September, A.D. 2015*



Ken Detzner

If photocopied or chemically altered, the word "VOID" will appear.

"State of Florida" appears in small letters across the face of this 8 1/2" x 11" document.



rick scott
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 JUN 17 AM 11:55
DIVISION OF ELECTIONS
TALLAHASSEE, FL

June 15, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following reappointment under the provisions of Section 373.073, Florida Statutes:

Mr. Ronald Howse
3815 North US 1
Unit 34
Cocoa, Florida 32923

as a member of the Governing Board, St. Johns River Water Management District, subject to confirmation by the Senate. This appointment is effective June 12, 2015, for a term ending March 1, 2019.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED
DEPARTMENT OF STATE

2015 JUL 31 AM 10:00

DIVISION OF ELECTIONS
TALLAHASSEE, FL

STATE OF FLORIDA

County of BREVARD

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT GOVERNING BO.
(Title of Office)

on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

[Signature]
Signature

Sworn to and subscribed before me this 29 day of JULY, 2015.

Carol A. Maxwell
Signature of Officer Administering Oath or of Notary Public

CAROL A. MAXWELL
Print, Type, or Stamp Commissioned Name of Notary Public

Personally Known OR Produced Identification

Type of Identification Produced _____



ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

P.O. Box 237237
Street or Post Office Box
Cocoa, FL 32923
City, State, Zip Code

Ronald Howse
Print name as you desire commission issued
[Signature]
Signature

2440

STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections

I, Ken Detzner, Secretary of State,
do hereby certify that

Peter Antonacci

is duly appointed

**Executive Director,
South Florida Water Management District**

for a term beginning on the
Tenth day of September, A.D., 2015,
to serve at the pleasure of the District's Governing Board
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Fourth day of November, A.D., 2015.*



Ken Detzner

Secretary of State

If photocopied or chemically altered, the word "VOID" will appear.

"State of Florida" appears in small letters across the face of this 8 1/2 x 11" document



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 SEP 28 AM 11:09
DIVISION OF ELECTIONS
TALLAHASSEE, FL

September 22, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have approved the following appointment under the provisions of Section 373.079, Florida Statutes:

Mr. Pete Antonacci
242 Park Avenue
Palm Beach, Florida 33480

as Executive Director of the South Florida Water Management District, subject to confirmation by the Senate. This appointment is effective for a term beginning September 10, 2015, and ending at the pleasure of the Board of Directors of the South Florida Water Management District.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED
2015 OCT 28 AM 10:13

STATE OF FLORIDA

County of Palm Beach

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

Executive Director of the South Florida Water Management District

(Title of Office)

on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

Signature

Sworn to and subscribed before me this 13 day of Oct, 2015.

Candy McCulloch

Signature of Officer Administering Oath or of Notary Public

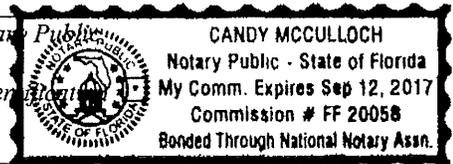
Candy McCulloch

Print, Type, or Stamp Commissioned Name of Notary Public

Personally Known OR

Produced Identification

Type of Identification Produced



ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

3301 Gun Club Rd., West Palm Beach,

Street or Post Office Box

West Palm Beach, FL 33406

City, State, Zip Code

Peter Antonacci

Print name as you desire commission issued

Signature

The Florida Senate
Committee Notice Of Hearing

IN THE FLORIDA SENATE
TALLAHASSEE, FLORIDA

IN RE: Executive Appointment of
Peter Antonacci
Executive Director of South Florida Water Management District

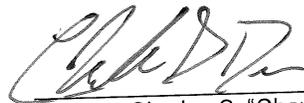
NOTICE OF HEARING

TO: Mr. Peter Antonacci

YOU ARE HEREBY NOTIFIED that the Committee on Environmental Preservation and Conservation of the Florida Senate will conduct a hearing on your executive appointment on Wednesday, January 13, 2016, in the Mallory Horne Committee Room, 37 Senate Office Building, commencing at 4:00 p.m., pursuant to Rule 12.7(1) of the Rules of the Florida Senate.

Please be present at the time of the hearing.
DATED this the 8th day of January, 2016

Committee on Environmental Preservation and
Conservation



Senator Charles S. "Charlie" Dean, Sr.
As Chair and by authority of the committee

cc: Members, Committee on Environmental Preservation and Conservation
Office of the Sergeant at Arms

THE FLORIDA SENATE

COMMITTEE WITNESS OATH

CHAIR:

Please raise your right hand and be sworn in as a witness.

Do you swear or affirm that the evidence you are about to give will be the truth, the whole truth, and nothing but the truth?

WITNESS'S NAME: Noah Valenstein

ANSWER: I Do

Pursuant to §90.605(1), *Florida Statutes*: "The witness's answer shall be noted in the record."

COMMITTEE NAME: Environmental Preservation and Conservation Committee

DATE: January 13, 2016

2435

**STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections**

I, Ken Detzner, Secretary of State,
do hereby certify that

Sam Accursio

is duly appointed a member of the

**Governing Board,
South Florida Water Management District**

for a term beginning on the
Twenty-Eighth day of July, A.D., 2015,
until the First day of March, A.D., 2019
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Seventeenth day of August, A.D., 2015*



Ken Detzner

Secretary of State

If photocopied or chemically altered, the word "VOID" will appear

State of Florida appears in small letters across the face of this 8 1/2 x 11" document.



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 AUG -3 AM 9:28

DIVISION OF ELECTIONS
TALLAHASSEE, FL

July 28, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following appointment under the provisions of Section 373.073, Florida Statutes:

Mr. Sam C. Accursio
27725 Southwest 187 Avenue
Homestead, Florida 33090

as a member of the Governing Board, South Florida Water Management District, succeeding Juan Portuondo, subject to confirmation by the Senate. This appointment is effective July 28, 2015, for a term ending March 1, 2019.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED
DEPARTMENT

2015 AUG 17 AM 10:05

NOTARY PUBLIC

STATE OF FLORIDA

County of Miami Dade

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

Governing Board Member - SFWMD

(Title of Office)

on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

X [Signature]
Signature

Sworn to and subscribed before me this 12th day of August, 2015.

R. Monique Woods
Signature of Officer Administering Oath or of Notary Public

Print, Type, or Stamp Commissioned Name of Notary Public R. MONIQUE WOODS

Personally Known OR Produced Identification My Commission Expires Nov. 15, 2017

Type of Identification Produced _____

ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

27725 SW 187th Avenue

Street or Post Office Box

Homestead, FL 33031

City, State, Zip Code

Sam Accursio

Print name as you desire commission issued

X [Signature]
Signature

A black and white copy of this document is not official

2435

**STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections**

I, Ken Detzner, Secretary of State,
do hereby certify that

Melanie Peterson

is duly appointed a member of the

**Governing Board,
South Florida Water Management District**

for a term beginning on the
Twelfth day of June, A.D., 2015,
until the First day of March, A.D., 2018
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Fifteenth day of September, A.D., 2015.*



Ken Detzner

Secretary of State

DSDE 99 (3/03)

The original document has a reflective line mark in paper. Hold at an angle to view when checking.

If photocopied or chemically altered, the word "VOID" will appear

State of Florida appears in small letters across the face of this 8 1/2 x 11" document



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 JUN 17 AM 11:54
DIVISION OF ELECTIONS
TALLAHASSEE, FL

June 15, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following reappointment under the provisions of Section 373.073, Florida Statutes:

Ms. Melanie Peterson
1237 Bay View Way
Wellington, Florida 33414

as a member of the Governing Board, South Florida Water Management District, subject to confirmation by the Senate. This appointment is effective June 12, 2015, for a term ending March 1, 2018.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED

STATE OF FLORIDA

15 SEP 15 PM 1:13

County of Palm Beach

DIVISION OF ELECTIONS
SECRETARY OF STATE

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

Governing Board, South Florida Water Management District

(Title of Office)

on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

[Signature]
Signature

Sworn to and subscribed before me this 10th day of September, 2015.

[Signature]
Signature of Officer Administering Oath or of Notary Public

Brenda E Low
Print, Type, or Stamp Commissioned Name of Notary Public

Personally Known OR Produced Identification

Type of Identification Produced N



ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

1234 Bay View Way
Street or Post Office Box

Wellington FL 33414
City, State, Zip Code

Melanie Peterson
Print name as you desire commission issued

[Signature]
Signature

2435

**STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections**

I, Ken Detzner, Secretary of State,
do hereby certify that

James J. Moran

is duly appointed a member of the

**Governing Board,
South Florida Water Management District**

for a term beginning on the
Twelfth day of June, A.D., 2015,
until the First day of March, A.D., 2019
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Eighth day of July, A.D., 2015.*



Ken Detzner

Secretary of State

If photocopied or chemically altered, the word "VOID" will appear.

"State of Florida" appears in small letters across the face of this 8 1/2 x 11" document



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 JUN 17 AM 11:54
DIVISION OF ELECTIONS
TALLAHASSEE, FL

June 15, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following reappointment under the provisions of Section 373.073, Florida Statutes:

Mr. James J. Moran
8247 Pine Cay Road
Wellington, Florida 33414

as a member of the Governing Board, South Florida Water Management District, subject to confirmation by the Senate. This appointment is effective June 12, 2015, for a term ending March 1, 2019.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED
DEPARTMENT OF STATE

2015 JUL -8 AM 9:45

DIVISION OF ELECTIONS
TALLAHASSEE, FL

STATE OF FLORIDA

County of Palm Beach

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

Governing Board, South Florida Water Management Dist.
(Title of Office)

on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

[Signature]
Signature
Sworn to and subscribed before me this 7 day of July, 2015.
[Signature]
Signature of Officer Administering Oath or of Notary Public



JOAN C. KUEHN
MY COMMISSION # FF 169968
EXPIRES: February 18, 2019
Bonded Thru Budget Notary Services
Type, or Stamp Commissioned Name of Notary Public

Personally Known OR Produced Identification
Type of Identification Produced _____

ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

8247 Pine Cay Rd.
Street or Post Office Box
Wellington, FL 33414
City, State, Zip Code

James J. Moran
Print name as you desire commission issued
[Signature]
Signature

A black and white copy of this document is not official

2435

**STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections**

I, Ken Detzner, Secretary of State,
do hereby certify that

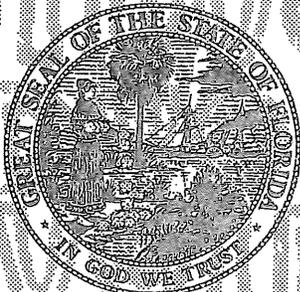
Clarke Harlow

is duly appointed a member of the

**Governing Board,
South Florida Water Management District**

for a term beginning on the
Seventeenth day of March, A.D., 2015,
until the First day of March, A.D., 2018
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Nineteenth day of June, A.D., 2015.*



Ken Detzner
Secretary of State

DSDE 99 (3/03)

The original document has a reflective line mark in paper. Hold at an angle to view when checking.

If photocopied or chemically altered, the word "VOID" will appear.

State of Florida appears in small letters across the face of this 8 1/2 x 11" document



rick scott
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 MAR 23 PM 2:38
DIVISION OF ELECTIONS
TALLAHASSEE, FL

March 17, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following appointment under the provisions of Section 373.073, Florida Statutes:

Mr. Clarke P. Harlow
401 Southeast 25th Avenue
Fort Lauderdale, Florida 33301

as a member of the Governing Board, South Florida Water Management District, succeeding Glenn Waldman, subject to confirmation by the Senate. This appointment is effective March 17, 2015, for a term ending March 1, 2018.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED
DEPARTMENT OF STA
2015 MAY 18 AM 9:44
DIVISION OF ELECTIONS
TALLAHASSEE, FL

STATE OF FLORIDA

County of Broward

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

South Florida Water Management, Governing Board
(Title of Office)

on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

[Signature]
Signature

Sworn to and subscribed before me this 14TH day of MAY 2015

[Signature]
Signature of Officer Administering Oath or of Notary Public

ELIZABETH LONDON
Print, Type, or Stamp Commissioned Name of Notary Public



Personally Known OR Produced Identification

Type of Identification Produced N/A

ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

401 SE 25th Av #203
Street or Post Office Box

Fl. Land. FL 33301
City, State, Zip Code

Clarke Harlow
Print name as you desire commission issued

[Signature]
Signature

2-135

**STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections**

I, Ken Detzner, Secretary of State,
do hereby certify that

Frederick T. Barber, III

is duly appointed a member of the

**Governing Board,
South Florida Water Management District**

for a term beginning on the
Twelfth day of June, A.D., 2015,
until the First day of March, A.D., 2019
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Sixteenth day of July, A.D., 2015.*



Ken Detzner
Secretary of State

If photocopied or chemically altered, the word "VOID" will appear.

State of Florida appears in small letters across the face of this 8 1/2 x 11" document.



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 JUN 17 AM 11:54
DIVISION OF ELECTIONS
TALLAHASSEE, FL

June 15, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following reappointment under the provisions of Section 373.073, Florida Statutes:

Mr. Frederick T. Barber
7400 Tamiami Trail North
Suite 200
Naples, Florida 34108

as a member of the Governing Board, South Florida Water Management District, subject to confirmation by the Senate. This appointment is effective June 12, 2015, for a term ending March 1, 2019.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED
DEPARTMENT
2015 JUL 15 A
11:00 AM

STATE OF FLORIDA

County of Collier

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

South Florida Water Management District Governing Board
(Title of Office)

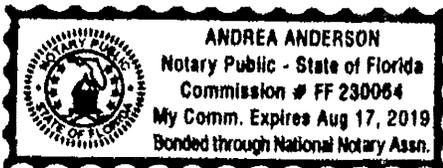
on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

Frederick T. Barber III
Signature

Sworn to and subscribed before me this 8 day of July, 2015

Andrea Anderson
Signature of Officer Administering Oath or of Notary Public



Andrea Anderson
Print, Type, or Stamp Commissioned Name of Notary Public

Personally Known OR Produced Identification

Type of Identification Produced _____

ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

7400 Tamiami Trail North, Suite 200
Street or Post Office Box

Naples, FL 34108
City, State, Zip Code

Frederick T. Barber III, P.E.
Print name as you desire commission issued

Frederick T. Barber III
Signature

2560

STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections

I, Ken Detzner, Secretary of State,
do hereby certify that

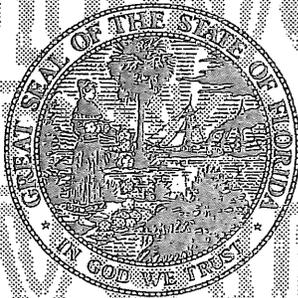
Noah Valenstein

is duly appointed

**Executive Director,
Suwannee River Water Management District**

for a term beginning on the
Eighth day of September, A.D., 2015,
to serve at the pleasure of the Board
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Fifth day of November, A.D. 2015.*



Ken Detzner

Secretary of State

If photocopied or chemically altered, the word "VOID" will appear.

"State of Florida" appears in small letters across the face of this 8 1/2 x 11" document



rick scott
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 SEP 28 AM 11:09
DIVISION OF ELECTIONS
TALLAHASSEE, FL

September 15, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have approved the following appointment under the provisions of Section 373.079, Florida Statutes:

Mr. Noah D. Valenstein
708 North Forest Drive
Tallahassee, Florida 32303

as Executive Director of the Suwannee River Water Management District, subject to confirmation by the Senate. This appointment is effective for a term beginning September 8, 2015, and ending at the pleasure of the Board of Directors of the Suwannee River Water Management District.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

The Florida Senate
Committee Notice Of Hearing

IN THE FLORIDA SENATE
TALLAHASSEE, FLORIDA

IN RE: Executive Appointment of
Noah Valenstein
Executive Director of Suwannee River Water Management District

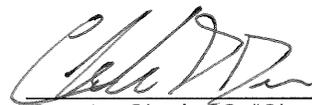
NOTICE OF HEARING

TO: Mr. Noah Valenstein

YOU ARE HEREBY NOTIFIED that the Committee on Environmental Preservation and Conservation of the Florida Senate will conduct a hearing on your executive appointment on Wednesday, January 13, 2016, in the Mallory Horne Committee Room, 37 Senate Office Building, commencing at 4:00 p.m., pursuant to Rule 12.7(1) of the Rules of the Florida Senate.

Please be present at the time of the hearing.
DATED this the 8th day of January, 2016

Committee on Environmental Preservation and
Conservation



Senator Charles S. "Charlie" Dean, Sr.
As Chair and by authority of the committee

cc: Members, Committee on Environmental Preservation and Conservation
Office of the Sergeant at Arms

THE FLORIDA SENATE

COMMITTEE WITNESS OATH

CHAIR:

Please raise your right hand and be sworn in as a witness.

Do you swear or affirm that the evidence you are about to give will be the truth, the whole truth, and nothing but the truth?

WITNESS'S NAME: Noah Valenstein

ANSWER: I Do

Pursuant to §90.605(1), *Florida Statutes*: "The witness's answer shall be noted in the record."

COMMITTEE NAME: Environmental Preservation and Conservation Committee

DATE: January 13, 2016

2555

**STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections**

I, Ken Detzner, Secretary of State,
do hereby certify that

Kevin Brown

is duly appointed a member of the

**Governing Board,
Suwannee River Water Management District**

for a term beginning on the
Twelfth day of June, A.D., 2015,
until the First day of March, A.D., 2019
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Twenty-Fourth day of June, A.D., 2015.*



Ken Detzner
Secretary of State

If photocopied or chemically altered, the word "VOID" will appear.

"State of Florida" appears in small letters across the face of this 8 1/2 x 11" document.



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 JUN 17 AM 11:55
DIVISION OF ELECTIONS
TALLAHASSEE, FL

June 15, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following reappointment under the provisions of Section 373.073, Florida Statutes:

Mr. Kevin W. Brown
24801 Northwest County Road 1491
Alachua, Florida 32615

as a member of the Governing Board, Suwannee River Water Management District, subject to confirmation by the Senate. This appointment is effective June 12, 2015, for a term ending March 1, 2019.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED
DEPARTMENT OF STATE

2015 JUN 24 AM 9:24

STATE OF FLORIDA

County of Suwannee

DIVISION OF ELECTIONS
TALLAHASSEE, FL

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

Suwannee River Water Management District Governing Board

(Title of Office)

on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

Signature

Kevin

Sworn to and subscribed before me this

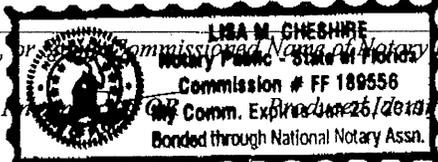
9th day of June, 2015

Signature of Officer Administering Oath or of Notary Public

Print, Type, or Commissioned Name of Notary Public

Personally Notarized Commission # FF 189556

Type of Identification Received



ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

24601 NW CR 1491

Street or Post Office Box

Alachua, FL 32615

City, State, Zip Code

Kevin Brown

Print name as you desire commission issued

Kevin

Signature

2555

**STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections**

I, Ken Detzner, Secretary of State,
do hereby certify that

Bradley A. Williams

is duly appointed a member of the

**Governing Board,
Suwannee River Water Management District**

for a term beginning on the
Thirteenth day of April, A.D., 2015,
until the First day of March, A.D., 2019
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Tenth day of June, A.D., 2015.*



Ken Detzner
Secretary of State

If photocopied or chemically altered, the word 'VOID' will appear.

State of Florida appears in small letters across the face of this 8 1/2 x 11" document



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 APR 24 PM 4:13
DIVISION OF ELECTIONS
TALLAHASSEE, FL

April 13, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following appointment under the provisions of Section 373.073, Florida Statutes:

Mr. Bradley A. Williams
1031 Beth Page Road
Monticello, Florida 32344

as a member of the Governing Board, Suwannee River Water Management District, succeeding George Cole, subject to confirmation by the Senate. This appointment is effective April 13, 2015, for a term ending March 1, 2019.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED

15 JUN 10 AM 9:00

STATE OF FLORIDA

County of Suwannee

DIVISION OF ELECTIONS
SECRETARY OF STATE

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

Suwannee River Water Management District Governing Board

(Title of Office)

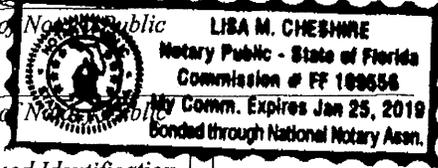
on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

Signature

Sworn to and subscribed before me this 9 day of June, 2015

Signature of Officer Administering Oath or of Notary Public



Print, Type, or Stamp Commissioned Name of Notary Public

Personally Known OR

Produced Identification

Type of Identification Produced _____

ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

1031 Beth Page Road
Street or Post Office Box
Monticello, FL 32344
City, State, Zip Code

Bradley Williams

Print name as you desire commission issued

Signature

A black and white copy of this document is not official

2555

**STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections**

I, Ken Detzner, Secretary of State,
do hereby certify that

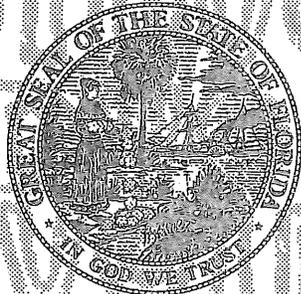
Richard W. Schwab

is duly appointed a member of the

**Governing Board,
Suwannee River Water Management District**

for a term beginning on the
Thirteenth day of April, A.D., 2015,
until the First day of March, A.D., 2019
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Eleventh day of May, A.D., 2015.*



Ken Detzner

Secretary of State

DSDE 99 (3/03)

The original document has a reflective line mark in paper. Hold at an angle to view when checking.

If photocopied or chemically altered, the word "VOID" will appear.

"State of Florida" appears in small letters across the face of this 8 1/2 x 11" document



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 APR 24 PM 4:13
DIVISION OF ELECTIONS
TALLAHASSEE, FL

April 13, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following appointment under the provisions of Section 373.073, Florida Statutes:

Mr. Richard W. Schwab
1659 South Crooked Creek Drive
Perry, Florida 32347

as a member of the Governing Board, Suwannee River Water Management District, succeeding D. Ray Curtis, subject to confirmation by the Senate. This appointment is effective April 13, 2015, for a term ending March 1, 2019.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED
DEPARTMENT OF STATE

STATE OF FLORIDA

2015 APR 15 AM 10:53

County of Suwannee

DIVISION OF ELECTIONS
TALLAHASSEE, FL

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

Suwannee River Water Management District Governing Board Member

(Title of Office)

on which I am now about to enter, so help me God.

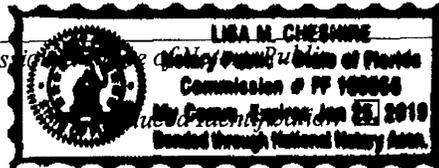
[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

Signature

Sworn to and subscribed before me this 14 day of April, 2015

Signature of Officer Administering Oath or of Notary Public

Print, Type, or Stamp Commission



Personally Known OR

Type of Identification Produced

ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

1659 S. Crooked Creek Drive

Street or Post Office Box

Perry, Florida 32347

City, State, Zip Code

Richard Schwab

Print name as you desire commission issued

Signature

850

STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections

I, Ken Detzner, Secretary of State,
do hereby certify that

Richard L. Hanas

is duly appointed a member of the

Fish and Wildlife Conservation Commission

for a term beginning on the
Twelfth day of June, A.D., 2015,
until the First day of August, A.D., 2017
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Nineteenth day of August, A.D., 2015.*



Ken Detzner

Secretary of State

State of Florida' appears in small letters across the face of this 8 1/2 x 11" document

If photocopied or chemically altered, the word "VOID" will appear.

Amended



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE
2015 JUN 17 AM 11:52
DIVISION OF ELECTIONS
TALLAHASSEE, FL

June 15, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following reappointment under the provisions of Article IV, Section 9, Florida Constitution:

Mr. Richard L. Hanas
2345 Mikler Road
Oviedo, Florida 32765

as a member of the Fish and Wildlife Conservation Commission, subject to confirmation by the Senate. This appointment is effective June 12, 2015, for a term ending August 1, 2017.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

RECEIVED
DEPARTMENT OF STATE

2015 AUG 19 AM 10:23

DIVISION OF ELECTIONS
TALLAHASSEE, FL

STATE OF FLORIDA

County of Seminole

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

Fish and Wildlife Conservation Commission

(Title of Office)

on which I am now about to enter, so help me God.

[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

Richard L. Hanas
Signature

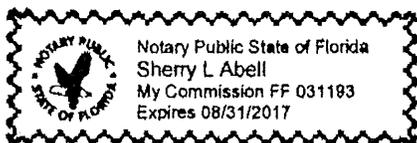
Sworn to and subscribed before me this 17th day of August, 2015.

Sherry L. Abell
Signature of Officer Administering Oath or of Notary Public

Sherry L. Abell
Print, Type, or Stamp Commissioned Name of Notary Public

Personally Known OR Produced Identification

Type of Identification Produced _____



ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

1200 Duda Trail

Street or Post Office Box

Oviedo, Florida 32765

City, State, Zip Code

Richard L. Hanas
Print name as you desire commission issued

Richard L. Hanas
Signature

850

STATE OF FLORIDA
DEPARTMENT OF STATE
Division of Elections

I, Ken Detzner, Secretary of State,
do hereby certify that

Robert A. Spottswood

is duly appointed a member of the

Fish and Wildlife Conservation Commission

for a term beginning on the
Twenty-First day of August, A.D., 2015,
until the Sixth day of January, A.D., 2018
and is subject to be confirmed by the Senate
during the next regular session of the Legislature.

*Given under my hand and the Great Seal of the
State of Florida, at Tallahassee, the Capital, this
the Tenth day of September, A.D., 2015.*



Ken Detzner

Secretary of State

If photocopied or chemically altered, the word "VOID" will appear.

"State of Florida" appears in small letters across the face of this 8 1/2 x 11" document



RICK SCOTT
GOVERNOR

RECEIVED
DEPARTMENT OF STATE

2015 AUG 26 PM 12:11

DIVISION OF ELECTIONS
TALLAHASSEE, FL

August 24, 2015

Secretary Kenneth W. Detzner
Department of State
State of Florida
R. A. Gray Building, Room 316
500 South Bronough Street
Tallahassee, Florida 32399-0250

Dear Secretary Detzner:

Please be advised I have made the following appointment under the provisions of Article IV, Section 9, Florida Constitution:

Mr. Robert A. Spottswood
506 Fleming Street
Key West, Florida 33040

as a member of the Fish and Wildlife Conservation Commission, succeeding Richard Corbett, subject to confirmation by the Senate. This appointment is effective August 21, 2015, for a term ending January 6, 2018.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Scott".

Rick Scott
Governor

RS/cw

OATH OF OFFICE

(Art. II, § 5(b), Fla. Const.)

STATE OF FLORIDA

County of Monroe

DEPT. OF REVENUE
2015 SEP 10 AM 10:04
DIVISION OF FIELD OPERATIONS
TALLAHASSEE, FL

I do solemnly swear (or affirm) that I will support, protect, and defend the Constitution and Government of the United States and of the State of Florida; that I am duly qualified to hold office under the Constitution of the State, and that I will well and faithfully perform the duties of

Commissioner - Florida Fish and Wildlife Conservation Commission

(Title of Office)

on which I am now about to enter, so help me God.

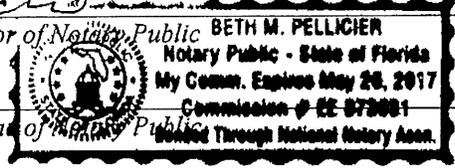
[NOTE: If you affirm, you may omit the words "so help me God." See § 92.52, Fla. Stat.]

Signature

Sworn to and subscribed before me this 31st day of August, 2015.

[Handwritten Signature]

Signature of Officer Administering Oath or of Notary Public **BETH M. PELLICIER**



Print, Type, or Stamp Commissioned Name of Notary Public

Personally Known OR

Produced Identification

Type of Identification Produced _____

ACCEPTANCE

I accept the office listed in the above Oath of Office.

Mailing Address: Home Office

506 Fleming Street

Street or Post Office Box

Key West, FL 33040

City, State, Zip Code

Robert A. Spottswood

Print name as you desire commission issued

[Handwritten Signature]

Signature

THE FLORIDA SENATE

COMMITTEE WITNESS OATH

CHAIR:

Please raise your right hand and be sworn in as a witness.

Do you swear or affirm that the evidence you are about to give will be the truth, the whole truth, and nothing but the truth?

WITNESS'S NAME: Robert Spottswood

ANSWER: I Do

Pursuant to §90.605(1), *Florida Statutes*: "The witness's answer shall be noted in the record."

COMMITTEE NAME: Environmental Preservation and Conservation Committee

DATE: January 13, 2016

The Florida Senate
BILL ANALYSIS AND FISCAL IMPACT STATEMENT

(This document is based on the provisions contained in the legislation as of the latest date listed below.)

Prepared By: The Professional Staff of the Committee on Environmental Preservation and Conservation

BILL: CS/SB 318

INTRODUCER: Environmental Preservation and Conservation Committee and Senator Richter

SUBJECT: Regulation of Oil and Gas Resources

DATE: January 14, 2016 **REVISED:** _____

	ANALYST	STAFF DIRECTOR	REFERENCE	ACTION
1.	Istler	Rogers	EP	Fav/CS
2.			AGG	
3.			AP	

Please see Section IX. for Additional Information:
COMMITTEE SUBSTITUTE - Technical Changes

I. Summary:

CS/SB 318 revises Florida’s oil and gas regulations to define the term “high-pressure well stimulation” and require a separate permit for the performance of high-pressure well stimulations. The bill also requires the Department of Environmental Protection (DEP) to conduct a study analyzing the potential impacts that high-pressure well stimulations may have on Florida’s underlying geologic features. The bill prohibits permits for high-pressure well stimulations from being issued until the DEP adopts rules regulating high-pressure well stimulations and such rules take effect.

Additionally, the bill:

- Preempts to the state all matters relating to the regulation of the exploration, development, production, processing, storage, and transportation of oil and gas;
- Requires inspections during the testing of blowout preventers, the pressure testing of the casing and casing shoe, and the integrity testing of cement plugs in plugging and abandonment operations;
- Requires notice to be given, a fee to be paid, and a permit to be granted before performing a high-pressure well stimulation;
- Requires the DEP to consider groundwater contamination as a result of high-pressure well stimulations and public policy when reviewing a permit application for high-pressure well stimulations;
- Specifies that a permit may be denied or specific permitting conditions may be applied based on the past history of prior adjudicated, uncontested, or settled violations committed by the

permit applicant or an affiliated entity of the applicant of any substantive and material rule or law pertaining to the regulation of oil or gas, including violations that occurred outside the state;

- Clarifies the inspection authority of the DEP;
- Requires the permit applicant to provide surety to the DEP that the high-pressure well stimulation will be conducted in a safe and environmentally compatible manner;
- Increases the civil penalty from \$10,000 per day to \$25,000 per day for violations; and
- Designates FracFocus as the state's registry for chemical disclosure for all wells on which high-pressure well stimulations are performed.

The bill provides a \$1 million nonrecurring appropriation from the General Revenue Fund to the DEP to conduct a study on high-pressure well stimulations. According to the DEP, the increased workload related to the regulatory and rulemaking process can be handled with existing resources.¹ The remaining fiscal impact of the bill is indeterminate at this time.

II. Present Situation:

Production of conventional versus unconventional oil and gas resources: the use of well stimulation techniques

Conventional oil and gas resources are found in permeable sandstone and carbonate reservoirs.² To extract conventional resources wells have historically been drilled vertically, straight down into a rock formation. Whereas conventional resources are found in concentrated underground locations, unconventional resources are highly dispersed through impermeable or "tight" rock formations such as shales and tight sands. To extract unconventional resources, drilling has shifted from vertical to horizontal or directional away from the reservoir to the source rock, and well stimulation techniques have been developed to increase the production at such oil or gas wells. The profitable extraction of unconventional resources is relatively new.³

Well stimulation techniques are used in the production of both conventional and unconventional resources. The techniques can be focused solely on the wellbore for maintenance and remedial purposes or can be used to increase production from the reservoir.⁴ The three most commonly used well stimulation techniques include matrix acidizing, acid fracturing, and hydraulic fracturing. Dating back to 1895, matrix acidizing is the oldest well stimulation technique. It involves pumping acid into the well at a pressure that does not exceed the fracture gradient to dissolve some of the rock to bypass wellbore damage or to stimulate carbonate formations.⁵ Acid fracturing is a well stimulation technique that involves pumping acidic fluids into a well at a pressure that fractures the rock. The acid etches the walls of the fracture so the fractures remain

¹ DEP, *Senate Bill 318 Agency Legislative Bill Analysis*, pg. 4 (Nov. 6, 2015) (on file with the Senate Committee on Environmental Preservation and Conservation).

² Michael Ratner & Mary Tiemann, Cong. Research Serv., R 43148, *An Overview of Unconventional Oil and Natural Gas: Resources and Federal Actions*, pg. 2 (Apr. 22, 2015), available at <https://www.fas.org/sgp/crs/misc/R43148.pdf>.

³ *Id.* at 3.

⁴ California Council on Science and Technology Lawrence Berkeley National Laboratory, *An Independent Assessment of Well Stimulation in California (CA Study)*, Vol. 1, Well stimulation technologies and their past, present, and potential future use in California, January 2015, pg. 14, available at <http://ccst.us/publications/2015/2015SB4-v1.php>.

⁵ *Id.* at 69.

open after the pressure is released. These types of acid stimulations are preferred in carbonate reservoirs.⁶

Hydraulic fracturing was developed in the 1940s to increase production of conventional resources. While the technique, itself, is not new, the composition of the fracturing fluids has evolved over time. Initially the technique used very little water and relied on a mixture of petroleum compounds, such as napalm and diesel fuels.⁷ Modern hydraulic fracturing involves a fracturing fluid that is composed of a base fluid, in most cases water; additives, each designed to serve a particular function; and a proppant, such as sand, to hold the fractures open. The composition of the fracturing fluid varies depending on the property of the reservoir rock, specifically the rock's permeability and brittleness.⁸ An hydraulic fracturing operation at a horizontal well involves four stages. The first is the "stage" during which a portion of the well is isolated to focus the fracture fluid pressure. The second is the "pad" in which fracture fluid is injected without proppant to initiate and propagate the fracture. The proppant is then added to keep the fractures open. The third stage is the "flush" during which fluid is injected without proppant to push any remaining proppant into the fractures. The fourth is the "flowback" during which the hydraulic fracturing fluids are removed and the fluid pressure dissipates.⁹

The EPA estimates that between 25,000-30,000 new wells were drilled and hydraulically fractured annually in the United States between 2011 and 2014.¹⁰ Horizontal or directional drilling techniques in conjunction with hydraulic fracturing has led to a surge in domestic production of oil and gas resources in the recent decade, and in 2014 the United States was the world's top producer of petroleum and natural gas hydrocarbons.¹¹

Production of oil and gas resources in Florida

Northwest and South Florida are the major oil and gas producing areas in the state. The first producing oil well was discovered in 1943 at a wellsite located in Big Cypress Preserve.¹² It was not until 1970 that oil and gas resources were first discovered in Northwest Florida. There are seven active fields in South Florida, specifically in Lee, Hendry, Collier, and Dade Counties, and

⁶ *Id.* at 56.

⁷ Gallegos, T.J., and Varela, B.A., *Trends in hydraulic fracturing distributions and treatment fluids, additives, proppants, and water volumes applied to wells drilled in the United States from 1947 through 2010—Data analysis and comparison to the literature: U.S. Geological Survey Scientific Investigations Report 2014–5131*, pg. 7 (2015), available at <http://pubs.usgs.gov/sir/2014/5131/pdf/sir2014-5131.pdf>.

⁸ CA Study at 48.

⁹ *Id.* at 42.

¹⁰ U.S. Environmental Protection Agency (EPA), *DRAFT An Assessment of the Potential Impacts of Hydraulic Fracturing for Oil and Gas on Drinking Water Resources, Executive Summary*, ES-5 (2015), available at http://www2.epa.gov/sites/production/files/2015-07/documents/hf_es_erd_jun2015.pdf. This draft document is undergoing peer review by the Scientific Advisory Board (SAB) Hydraulic Fracturing Research Advisory Panel. A SAB Draft Report is available at <http://yosemite.epa.gov/sab/sabproduct.nsf/LookupWebProjectsCurrentBOARD/f7a9db9abbac015785257e540052dd54!OpenDocument&TableRow=2.2#2>.

¹¹ U.S. Energy Information Administration (EIA), *Today in Energy*, <http://www.eia.gov/todayinenergy/detail.cfm?id=20692> (last visited Jan. 11, 2016).

¹² American Oil & Gas Historical Society, *First Florida Oil Well*, <http://aoghs.org/states/first-florida-oil-well/> (last visited Jan. 11, 2016).

three active fields in Northwest Florida, specifically in Escambia and Santa Rosa Counties.¹³ While geologists believe that there may be large oil and natural gas deposits off Florida's western coast, the state enacted a drilling ban for state waters in 1990, and in 2006 Congress banned the leasing of federal offshore blocks within 125 miles of Florida's western coast until at least 2022.¹⁴

There are approximately 163 active wells in Florida.¹⁵ The DEP's 2014 Annual Production Report totaled natural gas production at 728,884 million cubic feet (MMcf) and oil production totals at 614,668 thousand barrels (MBbls).¹⁶

Proven oil and gas reserves both in Northwest and South Florida are composed of carbonate formations and reservoirs that have relatively high permeability.¹⁷ Because acid easily dissolves carbonate materials, techniques such as matrix acidizing and acid fracturing are preferred in carbonate reservoirs.¹⁸ In December 2013, the DEP received a workover notice proposing use of an enhanced extraction procedure, which the DEP requested that the company not complete until additional review could be performed.¹⁹ The company commenced with the workover procedure and the DEP issued a cease and desist order. After failing to comply with the order, the company withdrew its permit application.²⁰ DEP reported that the last use of hydraulic fracturing on record was in the Jay oilfield in 2003.²¹

Regulation of well stimulation techniques

Federal

There is limited direct federal regulation over the use of well stimulation techniques. In 2005, Congress passed the Energy Policy Act amending the Safe Water Drinking Act (SWDA) and the Clean Water Act (CWA).²² The SWDA was amended to revise the definition of the term "underground injection" to specifically exclude the underground injection of fluids or propping agents (other than diesel fuels) pursuant to hydraulic fracturing operations. The CWA was amended to characterize oil and gas exploration and production as "construction activities,"

¹³ DEP, *Oil and Gas Annual Production Reports, 2014*, available at http://www.dep.state.fl.us/water/mines/oil_gas/production.htm.

¹⁴ EIA, Florida State Profile and Energy Estimates, *Analysis*, <http://www.eia.gov/state/analysis.cfm?sid=FL> (last visited Jan. 11, 2016). See also, s. 377.242(1), F.S.

¹⁵ Email from Andrew Ketchel, Director, Office of Legislative Affairs, DEP (Jan. 7, 2016) (on file with the Senate Committee on Environmental Preservation and Conservation).

¹⁶ DEP, *Oil and Gas Annual Production Reports, 2014*, available at http://www.dep.state.fl.us/water/mines/oil_gas/production.htm.

¹⁷ DEP, *Hydraulic Fracturing Background and Recommendations* (Sept. 29, 2015) available at <http://archive.news-press.com/assets/pdf/A4195556107.PDF>.

¹⁸ California Council on Science and Technology Lawrence Berkeley National Laboratory, *An Independent Assessment of Well Stimulation in California* (CA Study), Vol. 1, Well stimulation technologies and their past, present, and potential future use in California, January 2015, pg. 56 and pg. 69, available at <http://ccst.us/publications/2015/2015SB4-v1.php>.

¹⁹ DEP, *Collier Oil Drilling*, http://www.dep.state.fl.us/secretary/oil/collier_oil.htm (last visited Jan. 11, 2016).

²⁰ *Id.*

²¹ DEP, *Frequently Asked Questions Regarding the Oil and Gas Permitting Process*, http://www.dep.state.fl.us/water/mines/oil_gas/docs/faq_og.pdf (last visited Jan. 11, 2016).

²² Energy Policy Act of 2005, H.R. 6, 109th Cong. (2005-2006).

thereby removing these operations from the scope of the CWA.²³ Thus, the Energy Policy Act effectively exempted non-diesel hydraulic fracturing from federal law.²⁴

In an attempt to regulate hydraulic fracturing on federal and tribal lands, the Bureau of Land Management (BLM) in March 2015, published final rules over hydraulic fracturing.²⁵ The rules were to take effect on June 24, 2015, however, the United States District Court for the District of Wyoming granted a preliminary injunction, holding that the BLM lacked the authority to regulate hydraulic fracturing.²⁶ The BLM is enjoined from enforcing the final rules pending the finality of the rule challenge.

While direct regulation over well stimulation techniques at the federal level is limited, there are several federal statutes that have been applied to regulate the impacts of oil and gas extraction more generally. The Oil and Gas Extraction Effluent Guidelines and Standards regulate wastewater discharges from field exploration, drilling, production, well treatment, and well completion activities.²⁷ The regulations apply to conventional and unconventional extraction with the exception of extractions of coalbed methane.²⁸ These standards are incorporated in the National Pollutant Discharge Elimination System (NPDES).

Because it is possible that oil and gas activities could result in the release of hazardous substances into the environment at or under the surface in a manner that may endanger public health or the environment, these activities are regulated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).²⁹ While any recovered petroleum or natural gas is exempt, other hazardous substances that result from oil or gas production, including fracturing fluids, fall under the act and if a release were to occur, the facility owner and operator could face liability under CERCLA.³⁰

To ensure that employees who may be exposed to hazardous chemicals in the workplace are aware of the chemicals' potential dangers, manufacturers and importers must obtain or develop

²³ The EPA rule implementing the CWA amendment was challenged and the Ninth Circuit Court of Appeals vacated the rule. Oil and gas construction facilities remain subject to stormwater permitting requirements, as well as, NPDES permit requirements. See William J. Brady, *Hydraulic Fracturing Regulation in the United States: The Laissez-faire approach of the Federal government and varying state regulations* at 8 (Unv. of Denver Sturm College of Law), available at <http://www.law.du.edu/documents/faculty-highlights/Intersol-2012-HydroFracking.pdf>.

²⁴ Hannah Wiseman, *Untested Waters: The Rise of Hydraulic Fracturing in Oil and Gas Production and the Need to Revisit Regulation*, 20 FORDHAM ENVTL. L. REV. 115 (2009), available at <http://law.uh.edu/faculty/thester/courses/Emerging%20Tech%202011/Wiseman%20on%20Fracking.pdf>.

²⁵ Under the final BLM regulations, the term "hydraulic fracturing" is defined as "those operations conducted in an individual wellbore designed to increase the flow of hydrocarbons from the rock formation to the wellbore through modifying the permeability of reservoir rock by applying fluids under pressure to fracture it. Hydraulic fracturing does not include enhanced secondary recovery such as water flooding, tertiary recovery, recovery through steam injection, or other types of well stimulation operations such as acidizing."

²⁶ *State of Wyo. vs. U.S. Dept. of the Int.*, No. 2: 15-CB-043-SWS (D. Wyo. Sept. 30, 2015) (order granting preliminary injunction), available at <http://www.wyd.uscourts.gov/pdfforms/orders/15-cv-043%20130%20order.pdf>.

²⁷ EPA, *Oil and Gas Extraction Effluent Guidelines*, <http://www.epa.gov/eg/oil-and-gas-extraction-effluent-guidelines> (last visited Jan. 11, 2016).

²⁸ *Id.*

²⁹ Adam Vann, Brandon J. Murrill, & Mary Tiemann, Cong. Research Serv., R 43152, *Hydraulic Fracturing: Selected Legal Issues*, pg. 12 (Sept. 26, 2014), available at <https://www.fas.org/sgp/crs/misc/R43152.pdf>.

³⁰ *Id.* at 13.

Material Safety Data Sheets (MSDS) for hydraulic fracturing chemicals that are hazardous according to the Occupational Safety and Health Administration (OSHA) standards. MSDS sheets must be maintained for hazardous chemicals at each job site and must, at a minimum, include the chemical names of substances that are considered hazardous under OSHA regulations.³¹

State

States have primary jurisdiction and authority over the regulation of oil and gas activities. Almost all states with economically viable production wells have extensive regulatory programs in place for permitting and monitoring oil and gas activities. Recent advances in technology and the widespread use of well stimulation techniques, particularly hydraulic fracturing, have motivated some states to update and revise their oil and gas regulations to specifically address such techniques or to ban certain techniques altogether.³²

The Department of Environmental Protection (DEP) has regulatory authority over oil and gas resources in Florida. The Division of Water Resource Management (Division) within DEP oversees the permitting process for drilling production and exploration. The DEP adopted Rules 62C-25 through 62C-30 of the Florida Administrative Code to implement and enforce the regulation of oil and gas resources. The Division has jurisdiction and authority over all persons and property necessary to administer and enforce all laws relating to the conservation of oil and gas.³³ Drilling and exploration is not authorized or is subject to local governmental approval in tidal waters, near improved beaches, and within municipal boundaries.³⁴

When issuing permits for oil or gas exploration or extraction, the Division is required to consider the nature, character, and location of the lands involved; the nature, type, and extent of ownership of the applicant; and the proven or indicated likelihood of the presence of oil, gas, or related minerals on a commercially viable basis.³⁵ The DEP is required to ensure that all precautions are taken to prevent the spillage of oil or other pollutants in all phases of the drilling for, and extracting of, oil, gas, or other petroleum products.³⁶ Additionally, the DEP is authorized to issue rules to require the drilling, casing, and plugging of wells to be done in such a manner as to prevent the escape of oil or other petroleum products from one stratum to another.³⁷

Before any person begins work other than environmental assessments or surveying at the site of a proposed drilling operation, a permit to drill is required and a preliminary site inspection must be conducted by the DEP.³⁸ An application for a permit to drill must include a proposed casing

³¹ *Id.* at 22.

³² Hannah Wiseman, *Untested Waters: The Rise of Hydraulic Fracturing in Oil and Gas Production and the Need to Revisit Regulation*, 20 FORDHAM ENVTL. L. REV. 115 (2009). *See also* State of Wyo. vs. U.S. Dept. of the Int., No. 2: 15-CB-043-SWS, pg. 40 (D. Wyo. Sept. 30, 2015) listing Wyoming, Colorado, Utah, North Dakota, Alaska, Illinois, Michigan, New Mexico, Ohio, Oklahoma, Pennsylvania, Texas, California, Montana, and Nevada as states with regulations in places addressing hydraulic fracturing.

³³ Section 377.21(1), F.S.

³⁴ Section 377.24, F.S.

³⁵ Section 377.241, F.S.

³⁶ Section 377.22, F.S.

³⁷ *Id.*

³⁸ Fla. Admin. Code R. 62C-26.003.

and cementing program and a location plat survey.³⁹ Each drilling permit is valid for one year and may be extended for an additional year.⁴⁰ Before a well is used for its intended purpose, a permit to operate the well must be obtained.⁴¹ Operating permits are valid for the life of the well; however, every five years the DEP is required to perform a comprehensive field inspection and the permit must be re-certified.⁴² Each application and subsequent re-certification must include the appropriate fee; bond or security coverage; a spill prevention and cleanup plan; flowline specification and an installation plan; containment facility certification; and additional reporting and data submissions, such as a driller's logs and monthly well reports.⁴³ Before a permit is granted, the owner or operator is required to post a bond or other form of security for each well. The amounts vary depending upon the well depth.⁴⁴ In lieu of posting a bond or security for each well, the owner or operator may file a blanket bond for multiple operations in the amount of \$1,000,000, which may cover up to ten wells.⁴⁵

A separate permit is not required for the performance of well stimulation techniques, the techniques are regulated as workovers.⁴⁶ Rule 62C-25.002(61) of the Florida Administrative Code defines the term "workover" as "an operation involving a deepening, plug back, repair, cement squeeze, perforation, hydraulic fracturing, acidizing, or other chemical treatment which is performed in a production, disposal, or injection well in order to restore, sustain, or increase production, disposal, or injection rates." An operator is required to notify the DEP before commencing a workover procedure and must submit a revised Well Record⁴⁷ to the DEP within 30 days after the workover.⁴⁸

A person that violates any statute, rule, regulation, order, or permit of the Division relating to the regulation of oil or gas resources or who refuses inspection by the Division is liable for damages caused to the air, waters, or property of the state; for reasonable costs in tracing the source of the discharge, in controlling and abating the source and the pollutants; and in restoring the air, waters, and property.⁴⁹ Such persons are also subject to judicial imposition of a civil penalty up to \$10,000 for each offense.⁵⁰ Each day during any portion of which a violation occurs constitutes a separate offense.⁵¹

³⁹ *Id.*

⁴⁰ *Id.*

⁴¹ Fla. Admin. Code R. 62C-26.008.

⁴² Fla. Admin. Code Rules 62C-25.006 and 62C-26.008.

⁴³ Fla. Admin. Code Rule 62C-26.008.

⁴⁴ Fla. Admin. Code Rule 62C-26.002.

⁴⁵ *Id.*

⁴⁶ *See e.g.*, s. 377.22, F.S., requiring the Division to adopt rules to "regulate the shooting, perforating, and chemical treatment of wells" and to "regulate secondary recovery methods, in the introduction of gas, air, water, or other substance in producing formations." *See also*, s. 377.26, F.S., requiring the Division to "take into account technological advances in drilling and production technology, including, but not limited to, horizontal well completions in the producing formation using directional drilling methods."

⁴⁷ Fla. Admin. Code R. 62C-26.008.

⁴⁸ Fla. Admin. Code R. 62C-29.006.

⁴⁹ Section 377.37(1)(a), F.S.

⁵⁰ *Id.*

⁵¹ *Id.*

Local

As most states with oil and gas interests have extensive regulatory programs governing oil and gas activities, the issue relating to what extent local governments may regulate oil and gas activities within their boundaries has arisen. In some areas local governments have banned or limited certain well stimulation techniques within their boundaries with varying success. In Colorado a number of municipalities passed bans on hydraulic fracturing within their city limits, but state courts have overturned the bans recognizing that the state's interest in the efficient and fair development of its resources may otherwise be threatened by inconsistent ordinances.⁵² In Pennsylvania similar bans have been passed, and Pennsylvania state courts have held that municipalities retain their authority to limit oil and gas development within their borders, effectively authorizing them to regulate the “where, but not the how, of hydrocarbon recovery.”⁵³

While cities and counties do not operate oil and gas permitting programs in Florida, some through their land use regulations or zoning ordinances require special exceptions for oil and gas activities or limit oil and gas activities to certain zoning classifications.⁵⁴ When authorizing oil and gas activities, local governments consider factors such as consistency with their comprehensive plan, injuries to communities or the public welfare, and compliance with zoning ordinances.⁵⁵

Section 377.24(5), F. S., restricts the DEP from issuing a permit for drilling within the corporate limits of a municipality unless the municipality adopts a resolution approving the permit. Three municipalities, Estero, Bonita Springs, and Coconut Creek have banned well stimulation techniques by ordinance.⁵⁶ Additionally, many counties and cities have passed resolutions supporting various types of bans and moratoriums relating to well stimulation techniques.⁵⁷

Environmental Concerns

There are a variety of environmental concerns relating to well stimulation techniques. Potential impacts and concerns include: groundwater or surface water contamination; stress on water supplies; inadequate wastewater management and disposal; and air quality degradation.⁵⁸ Because well stimulation techniques are applied to so many types of formations using a variety of methods and fluids, environmental impacts vary depending on factors such as toxicity of the

⁵² David L. Schwan, *Preemption Update: Local Attempts to Preempt State Regulation of Hydraulic Fracturing*, pg. 5, available at http://www.americanbar.org/content/dam/aba/administrative/litigation/materials/2015-joint-written_materials/01_fracked_up_preemption_update.authcheckdam.pdf/.

⁵³ *Id.* at 6.

⁵⁴ Florida League of Cities, *Legislative Issue Briefs, Hydraulic Fracturing (Fracking)*, http://www.floridaleagueofcities.com/Assets/Files/Advocacy/2016_IB_Fracking.pdf (last visited Jan. 7, 2016). Also see e.g., Lee County's Land Development Code s. 34-145(c).

⁵⁵ *Id.*

⁵⁶ Ordinance No. 2015-19 bans well stimulation within and below the corporate boundaries of the Village of Estero; Article IV, Section 13-1000 of Coconut Creek's Land Development Code bans well stimulation in Coconut Creek; and Chapter 4, Article VI, Division 15, Section 4-1380 of Bonita Spring's Land Development Code bans well stimulation in Bonita Springs, Florida.

⁵⁷ See Food & Water Watch, *Local Regulations Against Fracking*, <http://www.foodandwaterwatch.org/insight/local-resolutions-against-fracking#florida> (last visited Jan. 7, 2016).

⁵⁸ EPA, Natural Gas Extraction - Hydraulic Fracturing, <http://www.epa.gov/hydraulicfracturing> (last visited Jan. 11, 2016).

fluid used; the closeness of the fracture zone to underground drinking water; the existence of a barrier between the fracture formation and other formations; and how wastewater is disposed.⁵⁹

Water Quality

A major environmental concern is the impact well stimulation techniques may have on drinking water quality. The EPA estimated that 6,800 sources of drinking water are within one mile of a well that has been hydraulically fractured.⁶⁰ Sources of drinking water may be contaminated through the release of gas-phase hydrocarbons, in what is known as stray gas migration, through the movement of liquid or gases out of the well if well casing or cementing is too weak or if it fails.⁶¹ While concerns related to inadequate well casing or cementing are not unique to hydraulic fracturing, horizontally drilled, hydraulically fractured wells pose more production challenges because they are subject to greater pressures.⁶²

Mitigating measures, such as extending the casing farther below groundwater resources and pressure testing the well casing before the injection of fluids, may work to prevent well casing failures. Blowout preventers also help control and prevent pressure build-ups. Furthermore, hydraulically fractured wells in shale formations are usually drilled deeper than vertical wells and, therefore, the vertical separation between the formation and the drinking water resource is greater.⁶³ Thousands of feet of rock layers typically overlay the produced portion of shale and serve as a barrier to contamination.⁶⁴ The vast majority of Florida's public water supply is obtained from groundwater sources, specifically from the Floridan aquifer system which underlies the state of Florida.⁶⁵ Areas in which oil and gas have been extracted have an upper confining unit that is generally greater than 100 feet, which serves as a barrier to contamination.⁶⁶

Fractures created during hydraulic fracturing can intersect nearby wells or their fracture networks, resulting in the flow of fluids into those wells and to underground drinking water resources. These "frac-hits" are more likely to occur if wells are close to each other or are on the same well pad.⁶⁷ In Florida, horizontal wells deeper than 7,000 feet have more stringent spacing requirements.⁶⁸

⁵⁹ Hannah Wiseman, *Untested Waters: The Rise of Hydraulic Fracturing in Oil and Gas Production and the Need to Revisit Regulation*, 20 FORDHAM ENVTL. L. REV. 115 (2009), available at

<http://law.uh.edu/faculty/thester/courses/Emerging%20Tech%202011/Wiseman%20on%20Fracking.pdf>.

⁶⁰ U.S. Environmental Protection Agency (EPA), *DRAFT Assessment of the Potential Impacts of Hydraulic Fracturing for Oil and Gas on Drinking Water Resources, Executive Summary*, pg. 6 (2015), available at

http://www2.epa.gov/sites/production/files/2015-07/documents/hf_es_erd_jun2015.pdf.

⁶¹ Avner Vengosh, Robert B. Jackson, Nathaniel Warner, Thomas Darrah, & Andrew Kondash, *A Critical Review of the Risks to Water Resources from Unconventional Shale Gas Development and Hydraulic Fracturing in the United States*, American Chemical Society, 48 Env. Sci. & Technol. 8334-8348, 8336 (2014).

⁶² Michael Ratner & Mary Tiemann, Cong. Research Serv., R 43148, *An Overview of Unconventional Oil and Natural Gas: Resources and Federal Actions*, pg. 8 (Apr. 22, 2015), available at <https://www.fas.org/sgp/crs/misc/R43148.pdf>.

⁶³ *Id.* at 7.

⁶⁴ *Id.*

⁶⁵ DEP, *Aquifers*, <https://fldep.dep.state.fl.us/swapp/Aquifer.asp> (last visited Jan. 11, 2016).

⁶⁶ U.S. Geological Survey (USGS), *Conceptual Model of the Floridan*, <http://fl.water.usgs.gov/floridan/conceptual-model.html> (last visited Dec. 18, 2015).

⁶⁷ U.S. Environmental Protection Agency (EPA), *DRAFT Assessment of the Potential Impacts of Hydraulic Fracturing for Oil and Gas on Drinking Water Resources, Executive Summary*, ES-16 (2015).

⁶⁸ Fla. Admin. Code R. 62C-26.004(5).

Surface water contamination may occur as a result of the inadequate storage and disposal of produced waters, which includes fractured fluids or “flowback.” Approximately 10-40 percent of the volume of the injected fracturing fluids returns to the surface after hydraulic fracturing.⁶⁹ In most produced waters the concentrations of toxic elements, such as radioactive radium, are positively correlated with salinity, which suggests that many of the potential water quality issues associated with produced waters may be attributable to the geochemistry of the brines within the shale formations.⁷⁰ In Florida, all spills of waste material must be immediately reported to the Division and the appropriate federal agencies, and the owner or operator is responsible for the costs of cleanup or other damage incurred by the state.⁷¹

Water Supply

The amount of water used during the performance of a well stimulation depends on the well depth, formation geology, and the composition of the fracturing fluid. In some cases, over 90 percent of the fracturing fluid is made up of water and each hydraulically fractured well could require thousands to millions of gallons.⁷² While the total water use for well stimulation techniques is relatively low compared to other water users,⁷³ wells that are good candidates for such techniques are usually located near the same source and as a result the collective impact of water withdrawals could result in increased competition among users.⁷⁴ To decrease the competition among users, some states have implemented pilot projects evaluating the feasibility of reusing produced waters or other brackish or wastewaters.⁷⁵

Wastewater Management and Disposal

As the use of hydraulic fracturing has increased, so has the volume of wastewaters that are generated. Produced water is the water that comes to the surface naturally, as part of the oil and natural gas production process, and for a hydraulically fractured well, includes flowback. The vast majority of produced water is disposed of using injection wells. Injection wells are permitted under the Underground Injection Control (UIC) program.⁷⁶ The goal of the UIC program is the effective isolation of injected fluids from underground sources of drinking water.⁷⁷ Class II injection wells are designed to inject fluids associated with the production of oil and natural gas or fluids used to enhance hydrocarbon recovery. As unconventional oil and gas wells are being drilled at rapid rates, space for underground injection wells is becoming limited in some areas. Another issue that is developing with the increase in injection wells is the concern

⁶⁹ Avner Vengosh, Robert B. Jackson, Nathaniel Warner, Thomas Darrah, & Andrew Kondash, *A Critical Review of the Risks to Water Resources from Unconventional Shale Gas Development and Hydraulic Fracturing in the United States*, American Chemical Society, 48 Env. Sci. & Technol. 8334-8348, 8340 (2014).

⁷⁰ *Id.*

⁷¹ Section 377.371, F.S.

⁷² EPA, *Executive Summary* at 6.

⁷³ Avner Vengosh, Robert B. Jackson, Nathaniel Warner, Thomas Darrah, & Andrew Kondash, *A Critical Review of the Risks to Water Resources from Unconventional Shale Gas Development and Hydraulic Fracturing in the United States*, American Chemical Society, 48 Env. Sci. & Technol. 8348, 8343 (2014).

⁷⁴ Hannah Wiseman, *Risk and Response in Fracturing Policy*, 84 *Unv. of Col. L. Rev.* 729-817, 776 (2009), available at http://lawreview.colorado.edu/wp-content/uploads/2013/11/11.-Wiseman_For-Printer_s.pdf.

⁷⁵ *Id.* at 770.

⁷⁶ EPA, Underground Injection Control Program, <http://water.epa.gov/type/groundwater/uic/> (last visited Jan. 11, 2016).

⁷⁷ *Id.*

that the deep-well disposal of oil and gas production wastewater is responsible for seismic activity in certain areas.⁷⁸ The Oklahoma Geological Survey determined that the primary suspected source of triggered seismicity is from the injection of produced water associated with oil and gas production in disposal wells.⁷⁹

Additionally, in some states the produced waters are being sent to treatment facilities that are not equipped to treat wastewater from hydraulically fractured wells.⁸⁰ In April 2015, the EPA under the authority of the Clean Water Act published proposed rules for the oil and gas extraction category which would set pretreatment standards for discharges of wastewater from unconventional oil and gas operations to a publicly owned treatment works plant.⁸¹

Air Quality

The key emissions associated with unconventional oil and natural gas production include methane, volatile organic compounds (VOCs), nitrogen oxides, sulfur dioxide, particulate matter, and various hazardous air pollutants.⁸² In 2012, the EPA issued New Source Performance Standards that require reductions in emissions from VOCs from hydraulically fractured natural gas wells.⁸³ These rules were the first federal air standards for natural gas wells that were hydraulically fractured.⁸⁴ In August 2015, the EPA proposed additional requirements that would complement the 2012 standards, including requiring operators of hydraulically fractured oil wells, in addition to natural gas wells, to use “green completion” and a proposal to require owners or operators to find and repair leaks, which can be significant causes of methane and VOC pollution.⁸⁵

Chemical Disclosure

Fracturing fluids vary in composition based on a variety of factors, including, but not limited to, the geologic type of formation being fractured, temperature, the sensitivity of the reservoir system to water.⁸⁶ Fracturing fluids are commonly composed of water, sand, a friction reducer, acid, biocide, a breaker, a stabilizer, a cross linker, gel, a non-emulsifier, a scale inhibitor, a surfactant, a pH adjuster agent, a gelling agent, and an iron control.⁸⁷ FracFocus is a publicly

⁷⁸ See Peter Folger & Mary Tiemann, Cong. Research Serv., R 43836, *Human-Induced Earthquakes from Deep-Well Injection: A Brief Overview*, (May 12, 2015) available at <https://www.fas.org/sgp/crs/misc/R43836.pdf>.

⁷⁹ Oklahoma Geological Survey, *Statement on Oklahoma Seismicity* (Apr. 21, 2015), http://wichita.ogs.ou.edu/documents/OGS_Statement-Earthquakes-4-21-15.pdf (last visited Jan. 12, 2016).

⁸⁰ Wiseman, *Risk and Response in Fracturing Policy* at 768-769.

⁸¹ EPA, *Unconventional Extraction in the Oil and Gas Industry*, <http://www2.epa.gov/eg/unconventional-extraction-oil-and-gas-industry> (last visited Jan. 11, 2016).

⁸² Ratner & Tiemann, R 43148 at 9.

⁸³ EPA, *Oil and Natural Gas Air Pollution Standards, Regulatory Actions*, <http://www3.epa.gov/airquality/oilandgas/actions.html> (last visited Jan. 7, 2016).

⁸⁴ *Id.*

⁸⁵ EPA, *Overview of Final Amendments to Air Regulations for the Oil and Natural Gas Industry: Fact Sheet*, August 2015, http://www3.epa.gov/airquality/oilandgas/pdfs/og_fs_081815.pdf.

⁸⁶ Gallegos, T.J., and Varela, B.A., *Trends in hydraulic fracturing distributions and treatment fluids, additives, proppants, and water volumes applied to wells drilled in the United States from 1947 through 2010—Data analysis and comparison to the literature: U.S. Geological Survey Scientific Investigations Report 2014–5131*, pg. 1 (2015), available at <http://pubs.usgs.gov/sir/2014/5131/pdf/sir2014-5131.pdf>.

⁸⁷ FracFocus Chemical Disclosure Registry, *Why Chemicals are Used*, <https://fracfocus.org/chemical-use/why-chemicals-are-used> (last visited Jan. 11, 2016).

accessible database managed by the Ground Water Protection Council and the Interstate Oil and Gas Compact Commission and was created to provide public access to reported chemicals used for hydraulic fracturing.⁸⁸ There are 106,132 well sites registered and the website lists over 50 chemicals that are used most often.⁸⁹ In February 2015, the Ground Water Protection Council reported that 27 states require chemical disclosure relating to hydraulic fracturing operations, and at least 18 of these states allow or require companies to use FracFocus.⁹⁰

Because unique formulas are used based on the geology of each formation, the exact contents and proportions of various chemicals within the mixtures may not be common knowledge within the industry and could possibly be claimed as trade secret.⁹¹ Therefore, while some states require specific fracturing fluid compositions to be disclosed to the state agencies, confidentiality provisions are provided to protect such trade secret information.

III. Effect of Proposed Changes:

Section 1 amends s. 377.06, F.S., to preempt all matters relating to the regulation of the exploration, development, production, processing, storage, and transportation of oil and gas to the state. The bill declares that any such existing ordinance or regulation is void, with the exception of zoning ordinances adopted before January 1, 2015.

Currently, three municipalities have banned well stimulation techniques within their boundaries and because these ordinances were adopted after January 1, 2015, the ordinances would be void.

Section 2 amends s. 377.19, F.S., to define the term “high-pressure well stimulation” as “all stages of a well intervention performed by injecting fluids into a rock formation at high pressure that exceeds the fracture gradient of the rock formation in order to propagate fractures in such formation to increase production at an oil or gas well by improving the flow of hydrocarbons from the formation into the wellbore.” The bill specifies that the term does not include “well stimulation or conventional workover procedures that may incidentally fracture the formation near the wellbore.”

As defined, the term “high-pressure well stimulation” includes both hydraulic fracturing and acid fracturing and, consequently, a permit will be required before the performance of either technique. However, matrix acidizing, as it is performed at a pressure that does not exceed the fracture gradient, is outside the scope of the definition and would remain regulated as a workover.

Section 3 amends s. 377.22, F.S., to require the DEP to adopt rules for the regulation of high-pressure well stimulations, as well as rules relating to oil and gas well operations generally. The bill:

⁸⁸ *Id.*

⁸⁹ *Id.*

⁹⁰ Michael Ratner & Mary Tiemann, Cong. Research Serv., R 43148, *An Overview of Unconventional Oil and Natural Gas: Resources and Federal Actions*, pg. 12 (Apr. 22, 2015), available at <https://www.fas.org/sgp/crs/misc/R43148.pdf>.

⁹¹ Hannah Wiseman, *Trade Secrets, Disclosure, and Dissent in a Fracturing Energy Revolution*, 111 COLUM. L. REV. SIDEBAR 1, 6-7 (2011), available at http://www.columbialawreview.org/wp-content/uploads/2011/01/1_Wiseman.pdf.

- Requires a bond or other form of security to be conditioned upon properly drilling, casing, producing, and operating each well and upon restoration of the area.
- Specifies that inspections are required during the testing of blowout preventers, during the pressure testing of the casing and casing shoe, and during the integrity testing of the cement plugs in plugging and abandonment operations.
- Authorizes the DEP to evaluate the history of prior adjudicated, uncontested, or settled violations committed by the permit applicant or the applicant's affiliated entities of any substantive and material rule or law pertaining to the regulation of oil or gas.

Section 4 amends s. 377.24, F.S., to require a person who desires to perform a high-pressure well stimulation to provide notice to the DEP, pay a fee, and receive a permit before the performance of a high-pressure well stimulation. The bill provides that a permit may authorize a single activity or multiple activities. The bill provides that an application for permission to perform a high-pressure well stimulation may only be denied by the Division for just and lawful cause.

The bill removes the prohibition against the granting of permits for drilling a gas or oil well within the corporate limits of a municipality without the approval of the governing authority of the municipality by resolution.

The bill prohibits the DEP from approving a permit authorizing high-pressure well stimulations until the DEP adopts rules for high-pressure well stimulations which are based upon the findings of the study on high-pressure well stimulations and such rules take effect. The bill requires the rules for high-pressure well stimulation to be submitted to the President of the Senate and the Speaker of the House of Representatives and prohibits such rules from taking effect until they are ratified by the Legislature.

Section 5 amends s. 377.241, F.S., to add criteria the DEP must consider and be guided by relating to the issuance of permits for high-pressure well stimulations; specifically, whether the high-pressure well stimulation as proposed is designed to ensure that the groundwater near the well location or through which the well will be or has been drilled is not contaminated as a result of the high-pressure well stimulation and whether the performance of the high-pressure well stimulation is consistent with the public policy of the state to safeguard the health, property, and public welfare of the citizens of the state.⁹²

The bill specifies that a permit may be denied or specific conditions of a permit may be required, including increased bonding and monitoring, if the permit applicant or affiliated entity has a history of prior adjudicated, uncontested, or settled violations of any substantive and material rule or law pertaining to the regulation of oil and gas, including violations that occurred outside of Florida.

Section 6 amends s. 377.242, F.S., to specify that the DEP has the authority to issue permits for the performance of a high-pressure well stimulation. The bill clarifies that a permittee agrees to inspections during the installation and cementing of the casing, during the testing of blowout preventers, during the pressure testing of the casing and casing shoe, and during the integrity testing of the cement plugs in plugging and abandonment operations.

⁹² Section 377.06, F.S.

Section 7 amends s. 377.2425, F.S., to require the permit applicant or operator to provide surety that the performance of a high-pressure well stimulation will be conducted in a safe and environmentally compatible manner.

Section 8 creates s. 377.2436, F.S., to require the DEP to conduct a study on high-pressure well stimulations. The study must include all of the following:

- An evaluation of the underlying geologic features in the counties where oil wells have been permitted and an analysis of the potential impact that high-pressure well stimulations and wellbore construction may have on the underlying geologic features.
- An evaluation of the potential hazards and risks that high-pressure well stimulations pose to surface water or groundwater resources.
- An assessment of the potential impact of high-pressure well stimulations on drinking water resources and an identification of the main factors affecting the severity and frequency of impacts.
- An analysis of the potential for the use or reuse of recycled water in well stimulation fluids, while meeting the appropriate water quality standards.
- A review and evaluation of the potential for groundwater contamination from conducting high-pressure well stimulations under or near wells that have been previously abandoned and plugged.
- An identification of a setback radius from plugged and abandoned wells that could be impacted by high-pressure well stimulations.
- A review and evaluation of the ultimate disposition of high-pressure well stimulation fluids after use in high-pressure well stimulation processes.

The bill specifies that the DEP shall continue conventional oil and gas business operations during the performance of the study and that there is not a moratorium on the evaluation and issuance of permits for conventional drilling, explorations, conventional completions, or conventional workovers during the performance of the study.

The bill requires the study to be subject to an independent scientific peer review, and the findings of the study to be submitted to the Governor, the President of the Senate, and the Speaker of the House of Representatives by June 30, 2017. It also requires the results of the study to be posted to the DEP's website.

The bill prohibits the DEP from adopting rules for high-pressure well stimulations until the findings of the study have been submitted to the Legislature. The bill requires the DEP to adopt rules by March 1, 2018 to implement the findings of the study if such rules are warranted to protect public health, safety, and the environment.

Section 9 amends s. 377.37, F.S., to increase the civil penalty from \$10,000 per offense per day to \$25,000 per offense per day.

Section 10 creates s. 377.45, F.S., to require the DEP to designate the national chemical registry FracFocus as the state's registry for chemical disclosure for all wells on which high-pressure well stimulations are performed. In addition to providing the following information to the DEP

as part of the permitting process, the bill requires a service provider, vendor, or owner or operator to report all of the following information, at a minimum, to the DEP for submission to FracFocus:

- The service provider, vendor, or owner or operator's name.
- The date of completion of the high-pressure well stimulation.
- The county in which the well is located.
- The American Petroleum Institute (API) well number.
- The well name and number.
- The longitude and latitude of the wellhead.
- The total vertical depth of the well.
- The total volume of water used in the high-pressure well stimulation.
- Each chemical ingredient that is subject to the Occupational Safety and Health Administration (OSHA) regulations set forth in 29 C.F.R. s. 1910.1200(g)(2)⁹³ and the ingredient concentration in the high-pressure well stimulation fluid by mass for each well on which a high-pressure well stimulation is performed.
- The trade or common name and the Chemical Abstract Service (CAS) number for each chemical ingredient.

The bill requires the DEP to report this information to FracFocus, excluding any information that is subject to the Uniform Trade Secrets Protection Act as set forth in chapter 688, F.S. If FracFocus cannot accept and make publicly available such information, the DEP is required to post the information, excluding trade secret information, on its website.

The service provider, vendor, owner or operator is required to report the chemical disclosure information within 60 days of the initiation of the high-pressure well stimulation. The service provider, vendor, well owner, or operator must also notify the DEP if any chemical ingredient not previously reported was intentionally included and used for the purpose of performing a high-pressure well stimulation.

The bill exempts from disclosure any ingredients that are unintentionally added to the high-pressure well stimulation, occur incidentally, or are otherwise unintentionally present in the high-pressure well stimulation.

The bill provides the DEP with rule authority to administer this section.

Section 11 amends s. 377.07, F.S., to rename the Division of Resource Management the Division of Water Resource Management.

Section 12 amends s. 377.10, F.S., to make technical changes.

Section 13 amends s. 377.243, F.S., to make technical changes.

Section 14 amends s. 377.244, F.S., to make technical changes.

⁹³ 29 C.F.R. s. 1910.1200(g)(2) requires chemical manufacturers and importers to insure that the safety data sheets have the required information. See Appendix D to s. 1910.1200 - Safety Data Sheets, *available at* <https://www.osha.gov/dsg/hazcom/hazcom-appendix-d.html>.

Section 15 provides a nonrecurring appropriation of \$1 million from the General Revenue Fund to the DEP to conduct a study on high-pressure well stimulations.

Section 16 provides an effective date of July 1, 2016.

IV. Constitutional Issues:

A. Municipality/County Mandates Restrictions:

The county/municipality mandates provision of Art. VII, section (18)(b) of the Florida Constitution may apply because the bill restricts the authority of counties and municipalities to establish programs that regulate any activity related to oil and gas exploration, production, processing, storage, and transportation. No county or municipality currently operates such permitting program.⁹⁴ Therefore, the exemption for insignificant fiscal impact may apply.

B. Public Records/Open Meetings Issues:

None.

C. Trust Funds Restrictions:

None.

V. Fiscal Impact Statement:

A. Tax/Fee Issues:

The bill authorizes a new permit fee for high-pressure well stimulations and increases fines from \$10,000 per offense per day to \$25,000 per offense per day.

B. Private Sector Impact:

The bill increases penalties from \$10,000 to \$25,000 per offense, which will have a negative fiscal impact on private companies that are found in violation of the law.

C. Government Sector Impact:

The Department of Environmental Protection (DEP) will incur additional costs associated with separately permitting high-pressure well stimulation techniques. The regulatory costs and permit fees will be based on the permitting requirements that the DEP will establish through the rulemaking process. According to the DEP, existing staff is sufficient to handle the anticipated workload increases.⁹⁵

⁹⁴ Florida League of Cities, *Legislative Issue Briefs, Hydraulic Fracturing (Fracking)*, http://www.floridaleagueofcities.com/Assets/Files/Advocacy/2016_IB_Fracking.pdf (last visited Jan. 7, 2016).

⁹⁵ DEP, *Senate Bill 318 Agency Legislative Bill Analysis*, pg. 4 (Nov. 6, 2015) (on file with the Senate Committee on Environmental Preservation and Conservation).

The bill increases the penalty for violations from \$10,000 per offense to \$25,000 per offense. Should violations occur, the increased revenue will have a positive fiscal impact to the Minerals Protection Trust Fund within the DEP.

According to the DEP, the costs associated to amend Rules 62C-25 through 30 of the Florida Administrative Code can be absorbed within the DEP's existing budget and the estimated cost for the study on high pressure well stimulations is \$1 million.⁹⁶

VI. Technical Deficiencies:

None.

VII. Related Issues:

The bill requires the DEP to conduct a study evaluating underlying geologic features. The language refers only to counties in which oil wells have been permitted and, therefore, may not include counties that have only permitted gas wells or counties where applications have been submitted for exploratory permits. The DEP has represented that any variation in the underlying geologic features between the counties where oil wells have been permitted and counties where gas wells or exploratory permits have been applied for are negligible for the purposes of the study.⁹⁷

VIII. Statutes Affected:

This bill substantially amends the following sections of the Florida Statutes: 377.06, 377.19, 377.22, 377.24, 377.241, 377.242, 377.2425, 377.37, 377.07, 377.10, 377.243, and 377.244.

This bill creates the following sections of the Florida Statutes: 377.2436 and 377.45.

IX. Additional Information:

A. Committee Substitute – Statement of Changes:

(Summarizing differences between the Committee Substitute and the prior version of the bill.)

CS by Environmental Preservation and Conservation on January 13, 2016:

- The CS authorizes the DEP to evaluate the prior adjudicated, uncontested, or settled violations committed by permit applicants as a basis for permit denial or imposition of specific permit conditions.
- The CS authorizes the DEP to consider as a criterion for issuing a permit for a high-pressure well stimulation, whether the high-pressure well stimulation as proposed is designed to ensure that the groundwater near the well location is not contaminated as a result of the high-pressure well stimulation. Additionally, the CS clarifies that the study provide a review and evaluation of the potential for groundwater contamination

⁹⁶ *Id.*

⁹⁷ Email from Andrew Ketchel, Director, Office of Legislative Affairs, DEP (Jan. 7, 2016) (on file with the Senate Committee on Environmental Preservation and Conservation).

from conducting high-pressure well stimulations near well that have been previously abandoned and plugged.

- The CS prohibits the DEP from adopting rules for high-pressure well stimulations until the findings of the study have been submitted to the Legislature and the CS clarifies that the rules are to be based upon the findings of the study. Additionally, the CS requires legislative ratification of the rules prior to such rules taking effect and prohibits the DEP from issuing permits for high-pressure well stimulations until such rules take effect.

B. Amendments:

None.



877992

LEGISLATIVE ACTION

Senate	.	House
Comm: UNFAV	.	
01/13/2016	.	
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The Committee on Environmental Preservation and Conservation
(Soto) recommended the following:

Senate Amendment (with title amendment)

Delete lines 62 - 93
and insert:
of oil and gas.-

(1) It is ~~hereby declared~~ the public policy of this state
to conserve and control the natural resources of oil and gas in
this state, and the products made from oil and gas in this
state; to prevent waste of natural resources; to provide for the
protection and adjustment of the correlative rights of the



877992

11 owners of the land in which the natural resources lie, of the
12 owners and producers of oil and gas resources and the products
13 made from oil and gas, and of others interested in these
14 resources and products; and to safeguard the health, property,
15 and public welfare of the residents of this state and other
16 interested persons ~~and for all purposes indicated by the~~
17 ~~provisions in this section.~~

18 (2) Further, It is the public policy of this state ~~declared~~
19 that underground storage of natural gas is in the public
20 interest because underground storage promotes conservation of
21 natural gas, + makes gas more readily available to the domestic,
22 commercial, and industrial consumers of this state, + and allows
23 the accumulation of large quantities of gas in reserve for
24 orderly withdrawal during emergencies or periods of peak demand.
25 It is not the intention of this section to limit, restrict, or
26 modify in any way the provisions of this law.

27
28 ===== T I T L E A M E N D M E N T =====

29 And the title is amended as follows:

30 Delete lines 3 - 8

31 and insert:

32 resources; amending s. 377.06, F.S.; making technical
33 changes;



900722

LEGISLATIVE ACTION

Senate	.	House
Comm: RCS	.	
01/13/2016	.	
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The Committee on Environmental Preservation and Conservation
(Dean) recommended the following:

Senate Amendment

Delete line 383

and insert:

(z) To evaluate the history of prior adjudicated,
uncontested, or settled violations

Delete line 443

and insert:

prior adjudicated, uncontested, or settled violations committed
by the applicant or an



503648

LEGISLATIVE ACTION

Senate	.	House
Comm: RCS	.	
01/13/2016	.	
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The Committee on Environmental Preservation and Conservation (Simpson) recommended the following:

Senate Amendment (with directory and title amendments)

Delete line 425
and insert:
for high-pressure well stimulations which are based upon the findings of the study required pursuant to s. 377.2436 and such rules take effect.

(10) The rules for high-pressure well stimulation shall be submitted to the President of the Senate and Speaker of the House of Representatives and such rules may not take effect



503648

11 until they are ratified by the Legislature.

12

13 ===== D I R E C T O R Y C L A U S E A M E N D M E N T =====

14 And the directory clause is amended as follows:

15 Delete line 390

16 and insert:

17 through (8), respectively, and a new subsection (9) and

18 subsection (10) are added to

19

20 ===== T I T L E A M E N D M E N T =====

21 And the title is amended as follows:

22 Delete line 26

23 and insert:

24 adopted and take effect; requiring legislative

25 ratification of such rules; amending s. 377.241, F.S.;

26 requiring the



400966

LEGISLATIVE ACTION

Senate	.	House
Comm: RCS	.	
01/13/2016	.	
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The Committee on Environmental Preservation and Conservation
(Dean) recommended the following:

Senate Amendment

Delete lines 435 - 437

and insert:

(a) The groundwater near the well location, including
groundwater through which the well will be or has been drilled,
is not contaminated as a result of the high-pressure well
stimulation; and



247368

LEGISLATIVE ACTION

Senate	.	House
Comm: WD	.	
01/13/2016	.	
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The Committee on Environmental Preservation and Conservation
(Soto) recommended the following:

Senate Amendment (with title amendment)

Delete lines 476 - 479
and insert:
or within 1 mile of any freshwater lake, river, or stream ~~unless~~
~~the department is satisfied that the natural resources of such~~
~~bodies of water and shore areas of the state will be adequately~~
~~protected in the event of accident or blowout.~~

===== T I T L E A M E N D M E N T =====



11 And the title is amended as follows:
12 Between lines 31 and 32
13 insert:
14 revising the restrictions on granting such permits;



116428

LEGISLATIVE ACTION

Senate	.	House
Comm: WD	.	
01/13/2016	.	
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The Committee on Environmental Preservation and Conservation
(Soto) recommended the following:

Senate Amendment

Delete line 604
and insert:
pressure well stimulation poses to surface water and groundwater



559396

LEGISLATIVE ACTION

Senate	.	House
Comm: RCS	.	
01/13/2016	.	
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The Committee on Environmental Preservation and Conservation
(Dean) recommended the following:

Senate Amendment

Delete line 613
and insert:
under or near wells that have been previously plugged and
abandoned and



215552

LEGISLATIVE ACTION

Senate	.	House
Comm: RCS	.	
01/13/2016	.	
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The Committee on Environmental Preservation and Conservation
(Dean) recommended the following:

Senate Amendment (with title amendment)

Between lines 630 and 631
insert:

(5) The department may not adopt rules for high-pressure well stimulation until the findings of the study have been submitted to the Legislature. However, by March 1, 2018, the department must adopt rules to implement the findings of the study, if such rules are warranted to protect public health, safety, and the environment.



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===== T I T L E A M E N D M E N T =====

And the title is amended as follows:

 Delete line 42

and insert:

 department website; prohibiting the department from
 adopting rules until the study has been submitted to
 the Legislature; requiring the department to adopt
 rules under certain conditions by a specified date;
 amending s. 377.37, F.S.;

By Senator Richter

23-00190B-16

2016318__

1 A bill to be entitled
2 An act relating to the regulation of oil and gas
3 resources; amending s. 377.06, F.S.; preempting the
4 regulation of all matters relating to the exploration,
5 development, production, processing, storage, and
6 transportation of oil and gas; declaring existing
7 ordinances and regulations relating thereto void;
8 providing an exception for certain zoning ordinances;
9 amending s. 377.19, F.S.; applying the definitions of
10 certain terms to additional sections of ch. 377, F.S.;
11 revising the definition of the term "division";
12 conforming a cross-reference; defining the term "high-
13 pressure well stimulation"; amending s. 377.22, F.S.;
14 revising the rulemaking authority of the Department of
15 Environmental Protection; amending s. 377.24, F.S.;
16 requiring that a permit be obtained before the
17 performance of a high-pressure well stimulation;
18 specifying that a permit may authorize single or
19 multiple activities; deleting provisions that prohibit
20 the Division of Water Resource Management from
21 granting permits to drill gas or oil wells within the
22 limits of a municipality without approval of the
23 governing authority of the municipality; prohibiting
24 the department from approving permits for high-
25 pressure well stimulation until certain rules are
26 adopted; amending s. 377.241, F.S.; requiring the
27 Division of Water Resource Management to give
28 consideration to and be guided by certain additional
29 criteria when issuing permits; amending s. 377.242,

23-00190B-16

2016318__

30 F.S.; authorizing the department to issue permits for
31 the performance of a high-pressure well stimulation;
32 revising permit requirements that permit holders agree
33 not to prevent division inspections; amending s.
34 377.2425, F.S.; requiring an applicant or operator to
35 provide surety that performance of a high-pressure
36 well stimulation will be conducted in a safe and
37 environmentally compatible manner; creating s.
38 377.2436, F.S.; requiring the department to conduct a
39 study on high-pressure well stimulation; providing
40 study criteria; requiring the study to be submitted to
41 the Governor and Legislature and posted on the
42 department website; amending s. 377.37, F.S.;
43 increasing the maximum amount of a civil penalty;
44 creating s. 377.45, F.S.; requiring the department to
45 designate the national chemical disclosure registry as
46 the state's registry; requiring service providers,
47 vendors, and well owners or operators to report
48 certain information to the department; requiring the
49 department to report certain information to the
50 national chemical registry; providing applicability;
51 requiring the department to adopt rules; amending ss.
52 377.07, 377.10, 377.243, and 377.244, F.S.; making
53 technical changes; conforming provisions to changes
54 made by the act; providing an appropriation; providing
55 an effective date.

56
57 Be It Enacted by the Legislature of the State of Florida:
58

23-00190B-16

2016318__

59 Section 1. Section 377.06, Florida Statutes, is amended to
60 read:

61 377.06 Public policy of state concerning natural resources
62 of oil and gas; preemption.-

63 (1) It is ~~hereby declared~~ the public policy of this state
64 to conserve and control the natural resources of oil and gas in
65 this state, and the products made from oil and gas in this
66 state; to prevent waste of natural resources; to provide for the
67 protection and adjustment of the correlative rights of the
68 owners of the land in which the natural resources lie, of the
69 owners and producers of oil and gas resources and the products
70 made from oil and gas, and of others interested in these
71 resources and products; and to safeguard the health, property,
72 and public welfare of the residents of this state and other
73 interested persons ~~and for all purposes indicated by the~~
74 ~~provisions in this section.~~

75 (2) ~~Further,~~ It is the public policy of this state declared
76 that underground storage of natural gas is in the public
77 interest because underground storage promotes conservation of
78 natural gas, ~~and~~ makes gas more readily available to the domestic,
79 commercial, and industrial consumers of this state, ~~and~~ and allows
80 the accumulation of large quantities of gas in reserve for
81 orderly withdrawal during emergencies or periods of peak demand.
82 It is not the intention of this section to limit, restrict, or
83 modify in any way the provisions of this law.

84 (3) The Legislature declares that all matters relating to
85 the regulation of the exploration, development, production,
86 processing, storage, and transportation of oil and gas are
87 preempted to the state, to the exclusion of all existing and

23-00190B-16

2016318__

88 future ordinances or regulations relating thereto adopted by any
89 county, municipality, or other political subdivision of the
90 state. Any such existing ordinance or regulation is void. A
91 county or municipality may, however, enforce an existing zoning
92 ordinance adopted before January 1, 2015, if the ordinance is
93 otherwise valid.

94 Section 2. Section 377.19, Florida Statutes, is amended to
95 read:

96 377.19 Definitions.—As used in ss. 377.06, 377.07, and
97 377.10-377.45 ~~377.10-377.40~~, the term:

98 (1) "Completion date" means the day, month, and year that a
99 new productive well, a previously shut-in well, or a temporarily
100 abandoned well is completed, repaired, or recompleted and the
101 operator begins producing oil or gas in commercial quantities.

102 (2) "Department" means the Department of Environmental
103 Protection.

104 (3) "Division" means the Division of Water Resource
105 Management of the Department of Environmental Protection.

106 (4) "Field" means the general area that is underlaid, or
107 appears to be underlaid, by at least one pool. The term includes
108 the underground reservoir, or reservoirs, containing oil or gas,
109 or both. The terms "field" and "pool" mean the same thing if
110 only one underground reservoir is involved; however, the term
111 "field," unlike the term "pool," may relate to two or more
112 pools.

113 (5) "Gas" means all natural gas, including casinghead gas,
114 and all other hydrocarbons not defined as oil in subsection (16)
115 ~~(15)~~.

116 (6) "High-pressure well stimulation" means all stages of a

23-00190B-16

2016318__

117 well intervention performed by injecting fluids into a rock
118 formation at high pressure that exceeds the fracture gradient of
119 the rock formation in order to propagate fractures in such
120 formation to increase production at an oil or gas well by
121 improving the flow of hydrocarbons from the formation into the
122 wellbore. The term does not include well stimulation or
123 conventional workover procedures that may incidentally fracture
124 the formation near the wellbore.

125 (7)~~(6)~~ "Horizontal well" means a well completed with the
126 wellbore in a horizontal or nearly horizontal orientation within
127 10 degrees of horizontal within the producing formation.

128 (8)~~(7)~~ "Illegal gas" means gas that has been produced
129 within the state from any well or wells in excess of the amount
130 allowed by any rule, regulation, or order of the division, as
131 distinguished from gas produced within the State of Florida from
132 a well not producing in excess of the amount so allowed, which
133 is "legal gas."

134 (9)~~(8)~~ "Illegal oil" means oil that has been produced
135 within the state from any well or wells in excess of the amount
136 allowed by rule, regulation, or order of the division, as
137 distinguished from oil produced within the state from a well not
138 producing in excess of the amount so allowed, which is "legal
139 oil."

140 (10)~~(9)~~ "Illegal product" means a product of oil or gas,
141 any part of which was processed or derived, in whole or in part,
142 from illegal gas or illegal oil or from any product thereof, as
143 distinguished from "legal product," which is a product processed
144 or derived to no extent from illegal oil or illegal gas.

145 (11)~~(10)~~ "Lateral storage reservoir boundary" means the

23-00190B-16

2016318__

146 projection up to the land surface of the maximum horizontal
147 extent of the gas volume contained in a natural gas storage
148 reservoir.

149 (12)~~(11)~~ "Native gas" means gas that occurs naturally
150 within this state and does not include gas produced outside the
151 state, transported to this state, and injected into a permitted
152 natural gas storage facility.

153 (13)~~(12)~~ "Natural gas storage facility" means an
154 underground reservoir from which oil or gas has previously been
155 produced and which is used or to be used for the underground
156 storage of natural gas, and any surface or subsurface structure,
157 or infrastructure, except wells. The term also includes a right
158 or appurtenance necessary or useful in the operation of the
159 facility for the underground storage of natural gas, including
160 any necessary or reasonable reservoir protective area as
161 designated for the purpose of ensuring the safe operation of the
162 storage of natural gas or protecting the natural gas storage
163 facility from pollution, invasion, escape, or migration of gas,
164 or any subsequent extension thereof. The term does not mean a
165 transmission, distribution, or gathering pipeline or system that
166 is not used primarily as integral piping for a natural gas
167 storage facility.

168 (14)~~(13)~~ "Natural gas storage reservoir" means a pool or
169 field from which gas or oil has previously been produced and
170 which is suitable for or capable of being made suitable for the
171 injection, storage, and recovery of gas, as identified in a
172 permit application submitted to the department under s.
173 377.2407.

174 (15)~~(14)~~ "New field well" means an oil or gas well

23-00190B-16

2016318__

175 completed after July 1, 1997, in a new field as designated by
176 the Department of Environmental Protection.

177 (16)~~(15)~~ "Oil" means crude petroleum oil and other
178 hydrocarbons, regardless of gravity, which are produced at the
179 well in liquid form by ordinary production methods, and which
180 are not the result of condensation of gas after it leaves the
181 reservoir.

182 (17)~~(16)~~ "Oil and gas" has the same meaning as the term
183 "oil or gas."

184 (18)~~(17)~~ "Oil and gas administrator" means the State
185 Geologist.

186 (19)~~(18)~~ "Operator" means the entity who:

- 187 (a) Has the right to drill and to produce a well; or
188 (b) As part of a natural gas storage facility, injects, or
189 is engaged in the work of preparing to inject, gas into a
190 natural gas storage reservoir; or stores gas in, or removes gas
191 from, a natural gas storage reservoir.

192 (20)~~(19)~~ "Owner" means the person who has the right to
193 drill into and to produce from any pool and to appropriate the
194 production for the person or for the person and another, or
195 others.

196 (21)~~(20)~~ "Person" means a natural person, corporation,
197 association, partnership, receiver, trustee, guardian, executor,
198 administrator, fiduciary, or representative of any kind.

199 (22)~~(21)~~ "Pool" means an underground reservoir containing
200 or appearing to contain a common accumulation of oil or gas or
201 both. Each zone of a general structure which is completely
202 separated from any other zone on the structure is considered a
203 separate pool as used herein.

23-00190B-16

2016318__

204 (23)~~(22)~~ "Producer" means the owner or operator of a well
205 or wells capable of producing oil or gas, or both.

206 (24)~~(23)~~ "Product" means a commodity made from oil or gas
207 and includes refined crude oil, crude tops, topped crude,
208 processed crude petroleum, residue from crude petroleum,
209 cracking stock, uncracked fuel oil, fuel oil, treated crude oil,
210 residuum, gas oil, casinghead gasoline, natural gas gasoline,
211 naphtha, distillate, condensate, gasoline, waste oil, kerosene,
212 benzine, wash oil, blended gasoline, lubricating oil, blends or
213 mixtures of oil with one or more liquid products or byproducts
214 derived from oil or gas, and blends or mixtures of two or more
215 liquid products or byproducts derived from oil or gas, whether
216 hereinabove enumerated or not.

217 (25)~~(24)~~ "Reasonable market demand" means the amount of oil
218 reasonably needed for current consumption, together with a
219 reasonable amount of oil for storage and working stocks.

220 (26)~~(25)~~ "Reservoir protective area" means the area
221 extending up to and including 2,000 feet surrounding a natural
222 gas storage reservoir.

223 (27)~~(26)~~ "Shut-in bottom hole pressure" means the pressure
224 at the bottom of a well when all valves are closed and no oil or
225 gas has been allowed to escape for at least 24 hours.

226 (28)~~(27)~~ "Shut-in well" means an oil or gas well that has
227 been taken out of service for economic reasons or mechanical
228 repairs.

229 (29)~~(28)~~ "State" means the State of Florida.

230 (30)~~(29)~~ "Temporarily abandoned well" means a permitted
231 well or wellbore that has been abandoned by plugging in a manner
232 that allows reentry and redevelopment in accordance with oil or

23-00190B-16

2016318__

233 gas rules of the Department of Environmental Protection.

234 (31)~~(30)~~ "Tender" means a permit or certificate of
235 clearance for the transportation or the delivery of oil, gas, or
236 products, approved and issued or registered under the authority
237 of the division.

238 (32)~~(31)~~ "Waste," in addition to its ordinary meaning,
239 means "physical waste" as that term is generally understood in
240 the oil and gas industry. The term "waste" includes:

241 (a) The inefficient, excessive, or improper use or
242 dissipation of reservoir energy; and the locating, spacing,
243 drilling, equipping, operating, or producing of any oil or gas
244 well or wells in a manner that results, or tends to result, in
245 reducing the quantity of oil or gas ultimately to be stored or
246 recovered from any pool in this state.

247 (b) The inefficient storing of oil; and the locating,
248 spacing, drilling, equipping, operating, or producing of any oil
249 or gas well or wells in a manner that causes, or tends to cause,
250 unnecessary or excessive surface loss or destruction of oil or
251 gas.

252 (c) The producing of oil or gas in a manner that causes
253 unnecessary water channeling or coning.

254 (d) The operation of any oil well or wells with an
255 inefficient gas-oil ratio.

256 (e) The drowning with water of any stratum or part thereof
257 capable of producing oil or gas.

258 (f) The underground waste, however caused and whether or
259 not defined.

260 (g) The creation of unnecessary fire hazards.

261 (h) The escape into the open air, from a well producing

23-00190B-16

2016318__

262 both oil and gas, of gas in excess of the amount that is
263 necessary in the efficient drilling or operation of the well.

264 (i) The use of gas for the manufacture of carbon black.

265 (j) Permitting gas produced from a gas well to escape into
266 the air.

267 (k) The abuse of the correlative rights and opportunities
268 of each owner of oil and gas in a common reservoir due to
269 nonuniform, disproportionate, and unratable withdrawals, causing
270 undue drainage between tracts of land.

271 (33)~~(32)~~ "Well site" means the general area around a well,
272 which area has been disturbed from its natural or existing
273 condition, as well as the drilling or production pad, mud and
274 water circulation pits, and other operation areas necessary to
275 drill for or produce oil or gas, or to inject gas into and
276 recover gas from a natural gas storage facility.

277 Section 3. Subsection (2) of section 377.22, Florida
278 Statutes, is amended to read:

279 377.22 Rules and orders.—

280 (2) The department shall issue orders and adopt rules
281 pursuant to ss. 120.536 and 120.54 to implement and enforce ~~the~~
282 ~~provisions of~~ this chapter. Such rules and orders shall ensure
283 that all precautions are taken to prevent the spillage of oil or
284 any other pollutant in all phases of the drilling for, and
285 extracting of, oil, gas, or other petroleum products, including
286 high-pressure well stimulations, or during the injection of gas
287 into and recovery of gas from a natural gas storage reservoir.
288 The department shall revise such rules from time to time as
289 necessary for the proper administration and enforcement of this
290 chapter. Rules adopted and orders issued in accordance with this

23-00190B-16

2016318__

291 section are for, but not limited to, the following purposes:

292 (a) To require the drilling, casing, and plugging of wells
293 to be done in such a manner as to prevent the pollution of the
294 fresh, salt, or brackish waters or the lands of the state and to
295 protect the integrity of natural gas storage reservoirs.

296 (b) To prevent the alteration of the sheet flow of water in
297 any area.

298 (c) To require that appropriate safety equipment be
299 installed to minimize the possibility of an escape of oil or
300 other petroleum products in the event of accident, human error,
301 or a natural disaster during drilling, casing, or plugging of
302 any well and during extraction operations.

303 (d) To require the drilling, casing, and plugging of wells
304 to be done in such a manner as to prevent the escape of oil or
305 other petroleum products from one stratum to another.

306 (e) To prevent the intrusion of water into an oil or gas
307 stratum from a separate stratum, except as provided by rules of
308 the division relating to the injection of water for proper
309 reservoir conservation and brine disposal.

310 (f) To require a reasonable bond, or other form of security
311 acceptable to the department, conditioned upon properly
312 drilling, casing, producing, and operating each well and
313 properly plugging ~~the performance of the duty to plug properly~~
314 each dry and abandoned well and upon the full and complete
315 restoration by the applicant of the area over which geophysical
316 exploration, drilling, or production is conducted to the similar
317 contour and general condition in existence before ~~prior to~~ such
318 operation.

319 (g) To require and carry out a reasonable program of

23-00190B-16

2016318__

320 monitoring and inspecting ~~or inspection of~~ all drilling
321 operations, high-pressure well stimulations, producing wells, ~~or~~
322 injecting wells, and well sites, including regular inspections
323 by division personnel. Inspections are required during the
324 testing of blowout preventers, during the pressure testing of
325 the casing and casing shoe, and during the integrity testing of
326 the cement plugs in plugging and abandonment operations.

327 (h) To require the making of reports showing the location
328 of all oil and gas wells; the making and filing of logs; the
329 taking and filing of directional surveys; the filing of
330 electrical, sonic, radioactive, and mechanical logs of oil and
331 gas wells; if taken, the saving of cutting and cores, the cuts
332 of which shall be given to the Bureau of Geology; and the making
333 of reports with respect to drilling and production records.
334 However, such information, or any part thereof, at the request
335 of the operator, shall be exempt from ~~the provisions of s.~~
336 119.07(1) and held confidential by the division for ~~a period of~~
337 1 year after the completion of a well.

338 (i) To prevent wells from being drilled, operated, or
339 produced in such a manner as to cause injury to neighboring
340 leases, property, or natural gas storage reservoirs.

341 (j) To prevent the drowning by water of any stratum, or
342 part thereof, capable of producing oil or gas in paying
343 quantities and to prevent the premature and irregular
344 encroachment of water which reduces, or tends to reduce, the
345 total ultimate recovery of oil or gas from any pool.

346 (k) To require the operation of wells with efficient gas-
347 oil ratio, and to fix such ratios.

348 (l) To prevent "blowouts," "caving," and "seepage," in the

23-00190B-16

2016318__

349 sense that conditions indicated by such terms are generally
350 understood in the oil and gas business.

351 (m) To prevent fires.

352 (n) To identify the ownership of all oil or gas wells,
353 producing leases, refineries, tanks, plants, structures, and
354 storage and transportation equipment and facilities.

355 (o) To regulate the "shooting," perforating, and chemical
356 treatment, and high-pressure stimulations of wells.

357 (p) To regulate secondary recovery methods, including the
358 introduction of gas, air, water, or other substance into
359 producing formations.

360 (q) To regulate gas cycling operations.

361 (r) To regulate the storage and recovery of gas injected
362 into natural gas storage facilities.

363 (s) If necessary for the prevention of waste, as herein
364 defined, to determine, limit, and prorate the production of oil
365 or gas, or both, from any pool or field in the state.

366 (t) To require, either generally or in or from particular
367 areas, certificates of clearance or tenders in connection with
368 the transportation or delivery of oil or gas, or any product.

369 (u) To regulate the spacing of wells and to establish
370 drilling units.

371 (v) To prevent, so far as is practicable, reasonably
372 avoidable drainage from each developed unit which is not
373 equalized by counterdrainage.

374 (w) To require that geophysical operations requiring a
375 permit be conducted in a manner which will minimize the impact
376 on hydrology and biota of the area, especially environmentally
377 sensitive lands and coastal areas.

23-00190B-16

2016318__

378 (x) To regulate aboveground crude oil storage tanks in a
379 manner which will protect the water resources of the state.

380 (y) To act in a receivership capacity for fractional
381 mineral interests for which the owners are unknown or unlocated
382 and to administratively designate the operator as the lessee.

383 (z) To evaluate the history of past adjudicated violations
384 committed by permit applicants or the applicants' affiliated
385 entities of any substantive and material rule or law pertaining
386 to the regulation of oil or gas.

387 Section 4. Subsections (1), (2), (4), and (5) of section
388 377.24, Florida Statutes, are amended, present subsections (6)
389 through (9) of that section are redesignated as subsections (5)
390 through (8), respectively, and a new subsection (9) is added to
391 that section, to read:

392 377.24 Notice of intention to drill well; permits;
393 abandoned wells and dry holes.—

394 (1) Before drilling a well in search of oil or gas, before
395 performing a high-pressure well stimulation, or before storing
396 gas in or recovering gas from a natural gas storage reservoir,
397 the person who desires to drill for, store, or recover gas, ~~or~~
398 drill for oil or gas, or perform a high-pressure well
399 stimulation shall notify the division upon such form as it may
400 prescribe and shall pay a reasonable fee set by rule of the
401 department not to exceed the actual cost of processing and
402 inspecting for each well or reservoir. The drilling of any well,
403 the performance of any high-pressure well stimulation, and the
404 storing and recovering of gas are prohibited until such notice
405 is given, the fee is paid, and a ~~the~~ permit is granted. A permit
406 may authorize a single activity or multiple activities.

23-00190B-16

2016318__

407 (2) An application for the drilling of a well in search of
408 oil or gas, for the performance of a high-pressure well
409 stimulation, or for the storing of gas in and recovering of gas
410 from a natural gas storage reservoir⁷ in this state must include
411 the address of the residence of the applicant⁷ or applicants,
412 which must be the address of each person involved in accordance
413 with the records of the Division of Water Resource Management
414 until such address is changed on the records of the division
415 after written request.

416 (4) Application for permission to drill or abandon any well
417 or perform a high-pressure well stimulation may be denied by the
418 division for only just and lawful cause.

419 ~~(5) No permit to drill a gas or oil well shall be granted~~
420 ~~within the corporate limits of any municipality, unless the~~
421 ~~governing authority of the municipality shall have first duly~~
422 ~~approved the application for such permit by resolution.~~

423 (9) The department may not approve a permit to authorize a
424 high-pressure well stimulation until the department adopts rules
425 for high-pressure well stimulation.

426 Section 5. Subsections (5) and (6) are added to section
427 377.241, Florida Statutes, to read:

428 377.241 Criteria for issuance of permits.—The division, in
429 the exercise of its authority to issue permits as hereinafter
430 provided, shall give consideration to and be guided by the
431 following criteria:

432 (5) For high-pressure well stimulations, whether the high-
433 pressure well stimulation as proposed is designed to ensure
434 that:

435 (a) The groundwater through which the well will be or has

23-00190B-16

2016318__

436 been drilled is not contaminated by the high-pressure well
437 stimulation; and

438 (b) The high-pressure well stimulation is consistent with
439 the public policy of this state as specified in s. 377.06.

440 (6) As a basis for permit denial or imposition of specific
441 permit conditions, including increased bonding up to five times
442 the applicable limits and increased monitoring, the history of
443 past adjudicated violations committed by the applicant or an
444 affiliated entity of the applicant of any substantive and
445 material rule or law pertaining to the regulation of oil or gas,
446 including violations that occurred outside the state.

447 Section 6. Section 377.242, Florida Statutes, is amended to
448 read:

449 377.242 Permits for drilling or exploring and extracting
450 through well holes or by other means.—The department is vested
451 with the power and authority:

452 (1) (a) To issue permits for the performance of a high-
453 pressure well stimulation or the drilling for, exploring for, or
454 production of oil, gas, or other petroleum products that ~~which~~
455 are to be extracted from below the surface of the land,
456 including submerged land, only through the well hole drilled for
457 oil, gas, and other petroleum products.

458 1. A ~~No~~ structure intended for the drilling for, or
459 production of, oil, gas, or other petroleum products may not be
460 permitted or constructed on any submerged land within any bay or
461 estuary.

462 2. A ~~No~~ structure intended for the drilling for, or
463 production of, oil, gas, or other petroleum products may not be
464 permitted or constructed within 1 mile seaward of the coastline

23-00190B-16

2016318__

465 of the state.

466 3. A ~~Ne~~ structure intended for the drilling for, or
467 production of, oil, gas, or other petroleum products may not be
468 permitted or constructed within 1 mile of the seaward boundary
469 of any state, local, or federal park or aquatic or wildlife
470 preserve or on the surface of a freshwater lake, river, or
471 stream.

472 4. A ~~Ne~~ structure intended for the drilling for, or
473 production of, oil, gas, or other petroleum products may not be
474 permitted or constructed within 1 mile inland from the shoreline
475 of the Gulf of Mexico, the Atlantic Ocean, or any bay or estuary
476 or within 1 mile of any freshwater lake, river, or stream unless
477 the department is satisfied that the natural resources of such
478 bodies of water and shore areas of the state will be adequately
479 protected in the event of accident or blowout.

480 5. Without exception, after July 1, 1989, a ~~ne~~ structure
481 intended for the drilling for, or production of, oil, gas, or
482 other petroleum products may not be permitted or constructed
483 south of 26°00'00" north latitude off Florida's west coast and
484 south of 27°00'00" north latitude off Florida's east coast,
485 within the boundaries of Florida's territorial seas as defined
486 in 43 U.S.C. s. 1301. After July 31, 1990, a ~~ne~~ structure
487 intended for the drilling for, or production of, oil, gas, or
488 other petroleum products may not be permitted or constructed
489 north of 26°00'00" north latitude off Florida's west coast to
490 the western boundary of the state bordering Alabama as set forth
491 in s. 1, Art. II of the State Constitution, or located north of
492 27°00'00" north latitude off Florida's east coast to the
493 northern boundary of the state bordering Georgia as set forth in

23-00190B-16

2016318__

494 s. 1, Art. II of the State Constitution, within the boundaries
495 of Florida's territorial seas as defined in 43 U.S.C. s. 1301.

496 (b) Subparagraphs (a)1. and 4. do not apply to permitting
497 or construction of structures intended for the drilling for, or
498 production of, oil, gas, or other petroleum products pursuant to
499 an oil, gas, or mineral lease of such lands by the state under
500 which lease any valid drilling permits are in effect on the
501 effective date of this act. In the event that such permits
502 contain conditions or stipulations, such conditions and
503 stipulations shall govern and supersede subparagraphs (a)1. and
504 4.

505 (c) The prohibitions of subparagraphs (a)1.-4. ~~in this~~
506 ~~subsection~~ do not include "infield gathering lines," provided no
507 other placement is reasonably available and all other required
508 permits have been obtained.

509 (2) To issue permits to explore for and extract minerals
510 which are subject to extraction from the land by means other
511 than through a well hole.

512 (3) To issue permits to establish natural gas storage
513 facilities or construct wells for the injection and recovery of
514 any natural gas for storage in natural gas storage reservoirs.

515

516 Each permit shall contain an agreement by the permitholder that
517 the permitholder will not prevent inspection by division
518 personnel at any time, including during installation and
519 cementing of casing, during the testing of blowout preventers,
520 during the pressure testing of the casing and casing shoe, and
521 during the integrity testing of the cement plugs in plugging and
522 abandonment operations. The provisions of this section

23-00190B-16

2016318__

523 prohibiting permits for drilling or exploring for oil in coastal
524 waters do not apply to any leases entered into before June 7,
525 1991.

526 Section 7. Subsection (1) of section 377.2425, Florida
527 Statutes, is amended to read:

528 377.2425 Manner of providing security for geophysical
529 exploration, drilling, and production.—

530 (1) Before ~~Prior to~~ granting a permit for conducting ~~to~~
531 ~~conduct~~ geophysical operations; drilling of exploratory,
532 injection, or production wells; producing oil and gas from a
533 wellhead; performing a high-pressure well stimulation; or
534 transporting oil and gas through a field-gathering system, the
535 department shall require the applicant or operator to provide
536 surety that these operations will be conducted in a safe and
537 environmentally compatible manner.

538 (a) The applicant for a drilling, production, high-pressure
539 well stimulation, or injection well permit or a geophysical
540 permit may provide the following types of surety to the
541 department for this purpose:

542 1. A deposit of cash or other securities made payable to
543 the Minerals Trust Fund. Such cash or securities so deposited
544 shall be held at interest by the Chief Financial Officer to
545 satisfy safety and environmental performance provisions of this
546 chapter. The interest shall be credited to the Minerals Trust
547 Fund. Such cash or other securities shall be released by the
548 Chief Financial Officer upon request of the applicant and
549 certification by the department that all safety and
550 environmental performance provisions established by the
551 department for permitted activities have been fulfilled.

23-00190B-16

2016318__

552 2. A bond of a surety company authorized to do business in
553 the state in an amount as provided by rule.

554 3. A surety in the form of an irrevocable letter of credit
555 in an amount as provided by rule guaranteed by an acceptable
556 financial institution.

557 (b) An applicant for a drilling, production, high-pressure
558 well stimulation, or injection well permit, or a permittee who
559 intends to continue participating in long-term production
560 activities of such wells, has the option to provide surety to
561 the department by paying an annual fee to the Minerals Trust
562 Fund. For an applicant or permittee choosing this option the
563 following shall apply:

564 1. For the first year, or part of a year, of a drilling,
565 production, or injection well permit, or change of operator, the
566 fee is \$4,000 per permitted well.

567 2. For each subsequent year, or part of a year, the fee is
568 \$1,500 per permitted well.

569 3. The maximum fee that an applicant or permittee may be
570 required to pay into the trust fund is \$30,000 per calendar
571 year, regardless of the number of permits applied for or in
572 effect.

573 4. The fees set forth in subparagraphs 1., 2., and 3. shall
574 be reviewed by the department on a biennial basis and adjusted
575 for the cost of inflation. The department shall establish by
576 rule a suitable index for implementing such fee revisions.

577 (c) An applicant for a drilling or operating permit for
578 operations planned in coastal waters that by their nature
579 warrant greater surety shall provide surety only in accordance
580 with paragraph (a), or similar proof of financial responsibility

23-00190B-16

2016318__

581 other than as provided in paragraph (b). For all such
582 applications, including applications pending at the effective
583 date of this act and notwithstanding ~~the provisions of~~ paragraph
584 (b), the Governor and Cabinet in their capacity as the
585 Administration Commission, at the recommendation of the
586 department ~~of Environmental Protection~~, shall set a reasonable
587 amount of surety required under this subsection. The surety
588 amount shall be based on the projected cleanup costs and natural
589 resources damages resulting from a maximum oil spill and adverse
590 hydrographic and atmospheric conditions that would tend to
591 transport the oil into environmentally sensitive areas, as
592 determined by the department ~~of Environmental Protection~~.

593 Section 8. Section 377.2436, Florida Statutes, is created
594 to read:

595 377.2436 Study on high-pressure well stimulations.-

596 (1) The department shall conduct a study on high-pressure
597 well stimulations. The study must:

598 (a) Evaluate the underlying geologic features present in
599 the counties where oil wells have been permitted and analyze the
600 potential impact that high-pressure well stimulation and
601 wellbore construction may have on the underlying geologic
602 features.

603 (b) Evaluate the potential hazards and risks that high-
604 pressure well stimulation poses to surface water or groundwater
605 resources. The study must assess the potential impacts of high-
606 pressure well stimulation on drinking water resources and
607 identify the main factors affecting the severity and frequency
608 of impacts and must analyze the potential for the use or reuse
609 of recycled water in well stimulation fluids while meeting

23-00190B-16

2016318__

610 appropriate water quality standards.

611 (c) Review and evaluate the potential for groundwater
612 contamination from conducting high-pressure well stimulation
613 under wells that have been previously abandoned and plugged and
614 identify a setback radius from previously plugged and abandoned
615 wells that could be impacted by high-pressure well stimulation.

616 (d) Review and evaluate the ultimate disposition of high-
617 pressure well stimulation fluids after use in high-pressure well
618 stimulation processes.

619 (2) The department shall continue conventional oil and gas
620 business operations during the performance of the study. There
621 may not be a moratorium on the evaluation and issuance of
622 permits for conventional drilling, exploration, conventional
623 completions, or conventional workovers during the performance of
624 the study.

625 (3) The study is subject to independent scientific peer
626 review.

627 (4) The department shall submit the findings of the study
628 to the Governor, the President of the Senate, and the Speaker of
629 the House of Representatives by June 30, 2017, and shall
630 prominently post the findings on its website.

631 Section 9. Paragraph (a) of subsection (1) of section
632 377.37, Florida Statutes, is amended to read:

633 377.37 Penalties.—

634 (1) (a) A ~~Any~~ person who violates any provision of this
635 chapter law or any rule, regulation, or order of the division
636 made under this chapter or who violates the terms of any permit
637 to drill for or produce oil, gas, or other petroleum products
638 referred to in s. 377.242(1) or to store gas in a natural gas

23-00190B-16

2016318__

639 storage facility, or any lessee, permitholder, or operator of
640 equipment or facilities used in the exploration for, drilling
641 for, or production of oil, gas, or other petroleum products, or
642 storage of gas in a natural gas storage facility, who refuses
643 inspection by the division as provided in this chapter, is
644 liable to the state for any damage caused to the air, waters, or
645 property, including animal, plant, or aquatic life, of the state
646 and for reasonable costs and expenses of the state in tracing
647 the source of the discharge, in controlling and abating the
648 source and the pollutants, and in restoring the air, waters, and
649 property, including animal, plant, and aquatic life, of the
650 state. Furthermore, such person, lessee, permitholder, or
651 operator is subject to the judicial imposition of a civil
652 penalty ~~in an amount~~ of not more than \$25,000 ~~\$10,000~~ for each
653 offense. However, the court may receive evidence in mitigation.
654 Each day during any portion of which such violation occurs
655 constitutes a separate offense. This paragraph does not ~~Nothing~~
656 ~~herein shall~~ give the department the right to bring an action on
657 behalf of a ~~any~~ private person.

658 Section 10. Section 377.45, Florida Statutes, is created to
659 read:

660 377.45 High-pressure well stimulation chemical disclosure
661 registry.-

662 (1) (a) The department shall designate the national chemical
663 disclosure registry, known as FracFocus, developed by the Ground
664 Water Protection Council and the Interstate Oil and Gas Compact
665 Commission, as the state's registry for chemical disclosure for
666 all wells on which high-pressure well stimulations are
667 performed. The department shall provide a link to FracFocus

23-00190B-16

2016318__

668 through its website.

669 (b) In addition to providing the following information to
670 the department as part of the permitting process, a service
671 provider, vendor, or well owner or operator shall report, as
672 established by department rule, to the department, at a minimum,
673 the following information:

674 1. The name of the service provider, vendor, or owner or
675 operator.

676 2. The date of completion of the high-pressure well
677 stimulation.

678 3. The county in which the well is located.

679 4. The API Well Number.

680 5. The well name and number.

681 6. The longitude and latitude of the wellhead.

682 7. The total vertical depth of the well.

683 8. The total volume of water used in the high-pressure well
684 stimulation.

685 9. Each chemical ingredient that is subject to 29 C.F.R. s.
686 1910.1200(g)(2) and the ingredient concentration in the high-
687 pressure well stimulation fluid by mass for each well on which a
688 high-pressure well stimulation is performed.

689 10. The trade or common name and the CAS Registry Number
690 for each chemical ingredient.

691 (c) The department shall report to FracFocus all
692 information received under paragraph (b), excluding any
693 information subject to chapter 688.

694 (d) If FracFocus cannot accept and make publicly available
695 any information specified in this section, the department shall
696 post the information on its website, excluding any information

23-00190B-16

2016318__

697 subject to chapter 688.

698 (2) A service provider, vendor, or well owner or operator
699 shall:

700 (a) Report the information required under subsection (1) to
701 the department within 60 days after the initiation of the high-
702 pressure well stimulation for each well on which such high-
703 pressure well stimulation is performed.

704 (b) Notify the department if any chemical ingredient not
705 previously reported is intentionally included and used for the
706 purpose of performing a high-pressure well stimulation.

707 (3) This section does not apply to an ingredient that:

708 (a) Is not intentionally added to the high-pressure well
709 stimulation; or

710 (b) Occurs incidentally or is otherwise unintentionally
711 present in a high-pressure well stimulation.

712 (4) The department shall adopt rules to administer this
713 section.

714 Section 11. Section 377.07, Florida Statutes, is amended to
715 read:

716 377.07 Division of Water Resource Management; powers,
717 duties, and authority.—The Division of Water Resource Management
718 of the Department of Environmental Protection is ~~hereby~~ vested
719 with power, authority, and duty to administer, carry out, and
720 enforce ~~the provisions of this part law as directed in s.~~
721 ~~370.02(3).~~

722 Section 12. Section 377.10, Florida Statutes, is amended to
723 read:

724 377.10 Certain persons not to be employed by division.—A ~~No~~
725 person in the employ of, or holding any official connection or

23-00190B-16

2016318__

726 position with any person, firm, partnership, corporation, or
727 association of any kind, engaged in the business of buying or
728 selling mineral leases, drilling wells in the search of oil or
729 gas, producing, transporting, refining, or distributing oil or
730 gas may not ~~shall~~ hold any position under, or be employed by,
731 the Division of Water Resource Management in the prosecution of
732 its duties under this part ~~law~~.

733 Section 13. Subsection (1) of section 377.243, Florida
734 Statutes, is amended to read:

735 377.243 Conditions for granting permits for extraction
736 through well holes.—

737 (1) Before applying ~~Prior to the application~~ to the
738 Division of Water Resource Management for the permit to drill
739 for oil, gas, and related products referred to in s. 377.242(1),
740 the applicant must own a valid deed, or other muniment of title,
741 or lease granting the ~~said~~ applicant the privilege to explore
742 for oil, gas, or related mineral products to be extracted only
743 through the well hole on the land or lands included in the
744 application. However, unallocated interests may be unitized
745 according to s. 377.27.

746 Section 14. Subsection (1) of section 377.244, Florida
747 Statutes, is amended to read:

748 377.244 Conditions for granting permits for surface
749 exploratory and extraction operations.—

750 (1) Exploration for and extraction of minerals under ~~and by~~
751 ~~virtue of~~ the authority of a grant of oil, gas, or mineral
752 rights, or which, subsequent to such grant, may ~~be interpreted~~
753 ~~to~~ include the right to explore for and extract minerals which
754 are subject to extraction from the land by means other than

23-00190B-16

2016318__

755 through a well hole, that is by means of surface exploratory and
756 extraction operations such as sifting of the sands, dragline,
757 open pit mining, or other type of surface operation, which would
758 include movement of sands, dirt, rock, or minerals, shall be
759 exercised only pursuant to a permit issued by the Division of
760 Water Resource Management upon the applicant's compliance
761 ~~applicant complying~~ with the following conditions:

762 (a) The applicant must own a valid deed, or other muniment
763 of title, or lease granting the applicant the right to explore
764 for and extract oil, gas, and other minerals from the said
765 lands.

766 (b) The applicant shall post a good and sufficient surety
767 bond with the division in such amount as the division determines
768 ~~may determine~~ is adequate to afford full and complete protection
769 for the owner of the surface rights of the lands described in
770 the application, conditioned upon the full and complete
771 restoration, by the applicant, of the area over which the
772 exploratory and extraction operations are conducted to the same
773 condition and contour in existence before ~~prior to~~ such
774 operations.

775 Section 15. For the 2016-2017 fiscal year, the sum of \$1
776 million in nonrecurring funds is appropriated from the General
777 Revenue Fund to the Department of Environmental Protection to
778 conduct a high-pressure well stimulation study pursuant to s.
779 377.2436, Florida Statutes.

780 Section 16. This act shall take effect July 1, 2016.

Comments regarding **SB 318: Regulation of Oil and Gas Resources**

Dr. Joseph Cain
2807 Sterling Dr
Tallahassee FL 32312
(850) 567-6438

I am not a lobbyist nor am speaking for any specific group. My degree is in Geophysics from the University of Alaska and I am retired from the Geophysical Fluid Dynamics Institute of FSU.

Problem issues below include Inadequate specification:

1. of the initial amount of escrow deposit to be made, or a way of defining or adding to at a later date'
2. of conflict resolution regarding differences of opinion of whether damage was caused by applicant'
3. of limits on water use;
4. of the length of time for a company responsibility and penalty for going out of business before obligations are fulfilled.

I have a number of concerns about this bill, some of which appear to be partially addressed but not adequately.

First, there needs to be a statute in Florida that if a company applies for a permit to carry out business in the

state that there is an underlying assumption that the applicant be responsible to all citizens that any damage caused by this business be the responsibility of the applicant.

For high-pressure well stimulation, commonly known as “Fracking”, there are special concerns from past evidence that requires special assurances and adequate deposit of funds in an escrow account to cover potential damage. The amount of initial initial deposit into such an account needs to be specified according to past experience for the type of geologic structures being penetrated.

There are two known possibly damages, one to water quality in a nearby aquifer, and the other to earthquakes.

In regard to water quality there needs to be a mechanism whereby any landowner would be able to file a claim to the State complaining of such. For example, if a landowner’s well water is contaminated the company would need to supply alternate water. If the company were to complain that such contamination was not the result of their work, then it would be up to them to supply evidence that would be evaluated by the Florida Division of Water management. The burden of proof would be on the company, not the complainant. The complaint could be made for 100 years from when the drilling first began and the mitigation by supplying water

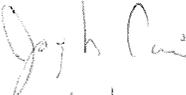
could continue for this time for the property in question even if it changed hands. The complainant should also be allowed to access any information available regarding for example the fluid composition being injected.

One issue I do not see discussed is the large amounts of water used in the drilling. The application should be only approved if the agency cognizant for water quality in Florida approve of the use of so much water in the event the use would damage recreational water levels or cause public water resources to be damaged by input of salt water.

The profits from the drilling should be taxed adequately and added to the escrow fund.

Once a permit is issued by the company it should be a felony with serious jail time for the owners and managers of the company if actions such as bankruptcy be taken.

Damage from earthquakes incited by such and activity would be treated in a similar manner except that designated agency for resolution would need to be the Florida Geologic Survey, though they could be allowed to consult with the USGS. Both agencies should have adequate funds to make their own independent evaluation of conflicting claims.


1/13/2016

Presentation to the Environmental Preservation &
Conservation Committee January 13, 2016

Chairman Charlie Dean – Union County has expressed
through a resolution that they do not want fracking

Vice Chair Wilton Simpson – Pasco County & Dade City
do not want fracking

Greg Evers – Escambia County does not want fracking

Alan Hays – Lake & Orange Counties do not want fracking

Travis Hutson – Flagler and St Johns Counties & the City
of St Augustine do not want fracking

Christopher Smith – Broward County, with the additional
cities of Deerfield Beach, Lauderhill, North Lauderdale,
Sunrise, and Wilton Manors do not want fracking

Darren Soto – as you well know Orange County does not
want fracking

ALL THESE CITIES and COUNTIES just mentioned HAVE
PASSED RESOLUTIONS AGAINST FRACKING or against the
passage of this bad bill. The total today is 24 counties and
41 cities statewide.

moratorium in this bill. I respectfully submit that you have made an incorrect assumption and worse yet you possibly have been lied to about there being a moratorium in this bill.

Senator Altman Please ask your friends and neighbors surrounding your family home in West Virginia how fracking has destroyed their water, air and soil, making their land values plummet to not sellable. Considering the horrific destruction fracking has caused in West Virginia and other states, I imagine that if here today they would ask you to vote no on this bill.

Over 80% of all your fellow senators have a city or county that has expressed through resolutions or ordinances that they oppose fracking or more specifically this bill. That represents over 10 million Floridians or over 54% of the states total population. I imagine the over 90 million visitors to this state will pick another state to vacation in if their favorite Florida destination is all fracked up.

I and the citizens who elected you to serve them are asking you to vote no on this bad bill. Thank you.

Counties and cities (65) that have already passed a Resolution in opposition to Fracking as of January 12, 2016:

24 Counties that have passed resolutions, with their 2015 populations:

Alachua	254,893	Bay	173,310	Broward	1,827,367
Escambia	306,944	Flagler	101,353	Franklin	11,840
Gadsden	48,315	Gulf	16,346	Hamilton	14,630
Jackson	50,458	Jefferson	14,519	Lake	316,569
Leon	284,443	Madison	19,200	Martin	150,062
Miami-Dade	2,653,934	Monroe	74,206	Orange	1,252,396
Palm Beach	1,378,417	Pasco	487,588	St. Johns	213,566
St. Lucie	287,749	Taylor	22,824	Union	15,918
Wakulla	31,283				

41 Cities that have passed resolutions (no population noted if included in a county above):

Atlantic Beach	13,012	Bonita Springs	46,568	Callahan	1,185
Coconut Creek		Cooper City		Coral Springs	
Dade City		Dania Beach		Davie	
Deerfield Beach		Esteros	30,118	Fernandina Beach	11,970
Ft. Myers Beach	6,264	Hallandale Beach		Hollywood	
Key West		Lake Worth		Lauderhill	
Lighthouse Point		Margate		Marianna	
Mexico Beach		Miramar		Monticello	
Neptune Beach	7,120	North Lauderdale		Panama City	
Parkland		Pembroke Pine		Plantation	
Pompano Beach		St. Augustine		St Petersburg	256,681
Southwest Ranches		South Miami		Sunrise	
Tallahassee		Tamarac		Tampa	358,279
Weston		Wilton Manors			

Population Represented 10,709,209 over 54% of the Total State Population (19,815,183)

Organizations that have passed resolutions or policies to oppose fracking or SB 318 & HB 191:

Leon, Seminole and Orange County Soil & Water Boards	League of Women Voters FL.
Physicians for Social Responsibility	Florida AFL/CIO
Florida Federation of Garden Clubs	Food and Water Watch
Florida Medical Association	NAACP
Democratic Women's Club of FL	Union of Reform Judaism
Florida Clean Water Network	Gulf Restoration Network
Jacksonville Environmental Protection Board	

Letters opposing SB 318 & HB 191 Osceola Co., and Indian River

Counties and cities that have already passed a resolution to ban or are in opposition to fracking or pro-fracking legislation as of January 12, 2016

68 Representatives = 57% of all, and 32 Senators = 80% of all

Counties	Senator	Representative
Alachua	Rob Bradley	Keith Perry, Elizabeth Porter Clovis Watson
Bay	Don Gaetz	Brad Drake Jay Trumbull
Broward	Jeremy Ring Maria Lorts Sachs Christopher Smith Eleanor Sobel Oscar Braynon	Gwyn Clarke-Reed Bobby DuBose Katie Edwards Kristin Diane Jacobs Evan Jenne Shevrin Jones George Moraitis Jared Moskowitz Sharon Prittchett Hazelle Rogers Richard Stark Carlos Trujillo
Escambia	Greg Evers	Clay Ingraham Walter Bryan Hill
Flagler	Travis Hutson	Paul Renner
Franklin	Bill Montford	Halsey Beshears
Gadsden	Bill Montford	Alan Williams
Gulf	Bill Montford	Halsey Beshears
Hamilton	Bill Montford	Elizabeth Porter
Jackson	Don Gaetz	Brad Drake
Jefferson	Bill Montford	Halsey Beshears
Lake	Alan Hays Dorothy Hukill	Larry Metz Marlene O'Toole
Leon	Bill Montford	Michelle Rehwinkel Vasilinda Halsey Beshears Alan Williams
Madison	Bill Montford	Halsey Beshears
Martin	Joe Negron Denise Grimsley	Gayle Harrell MaryLynn Magar
Miami-Dade	Oscar Braynon Miguel Diaz de la Portilla Anitere Flores Rene Garcia	Frank Artilles Bryan Avila Michael Bileca Daphne Campbell

	Gwen Margolis Dwight Bullard	Jose Felix Diaz Manny Diaz Jr Erik Fresen Joseph Geller Kione McGhee Jeanette Nunez Jose Oliva Holly Raschein David Richardson Jose Javier Rodriguez Cynthia Stafford
Monroe	Dwight Bullard	Holly Raschein
Orange	Andy Gardner Alan Hays Darren Soto Kelli Stargel Geraldine Thompson	Bruce Antone Randolph Bracy Eric Eisnaugle Tom Goodson Mike Miller Rene Plasencia Jennifer Sullivan Victor Torres
Palm Beach	Jeff Clemens Joseph Abruzzo Joe Negron Maria Lorts Sachs	Lori Berman Bill Hager David Kerner Marylynn Magar Mark Pafford Bobby Powell, Jr. Kevin Rader Pat Rooney Irv Slosberg
Pasco	Wilton Simpson John Legg	Daniel Wright Burgess, Jr Richard Corcoran Amanda Murphy
St. Johns	Travis Hutson	Paul Renner Cyndi Stevenson
St. Lucie	Joe Negron Denise Grimsley	Gayle Harrell Larry Lee Debbie Mayfield Cary Pigman
Taylor	Bill Montford	Halsey Beshears
Union	Charles Dean	Charles E Van Zant
Wakulla	Bill Montford	Halsey Beshears
CIITIES		
Atlantic Beach	Aaron Bean	Janet Adkins
Bonita Springs	Garrett Richter	Ray Wesley Rodrigues
Callahan	Aaron Bean	Janet Adkins
Coconut Creek	Jeremy Ring	Kristin Diane Jacobs

Cooper City	Eleanor Sobel	Evan Jenne
Coral Springs	Jeremy Ring	Jared Moskowitz
Dade City	Wilton Simpson	Daniel Burgess
Dania Beach	Eleanor Sobel	Evan Jenne
Davie	Eleanor Sobel	Katie A. Edwards
Deerfield Beach	Christopher Smith	George Moraitis
Estero	Garrett Richter	Ray Rodriques
Fernandina Beach	Aaron Bean	Janet Adkins
Ft. Myers Beach	Lizbeth Benacquisto	Ray Wesley Rodrigues
Hallandale Beach	Oscar Braynon	Shevrin Jones
Hillsboro Beach	Maria Sachs	George Moraitis
Hollywood	Oscar Braynon	Shevrin Jones
Key West	Dwight Bullard	Holly Raschein
Lake Worth	Jeff Clemens	Bill Hager Bobby Powell Lori Berman Dave Kerner
Lauderhill	Chris Smith	Hazelle Rogers
Lighthouse Point	Maria Sachs	George Moraitis
Margate	Jeremy Ring	Kristin Jacobs
Marianna	Don Gaetz	Brad Drake
Mexico Beach	Don Gaetz	Jay Trumbull
Miramar	Oscar Braynon	Sharon Pritchett
Monticello	Bill Montford	Halsey Beshears
Neptune Beach	Aaron Bean	Janet Adkins
North Lauderdale	Christopher Smith	Hazelle Rogers
Panama City	Don Gaetz	Jay Trumbull
Parkland	Jeremy Ring	Kristin Diane Jacobs
Pembroke Pines	Oscar Braynon	Sharon Pritchett
Plantation	Eleanor Sobel	Katie Edwards
Pompano Beach	Maria Sachs	George Moraitis
St. Augustine	Travis Hutson	Cyndi Stevenson
St Petersburg	Arthenia Joyner	Darryl Ervin Rouson
Southwest Ranches	Jeremy Ring	Evan Jenne
South Miami	Miguel Diaz de la Portilla	Erik Fresen
Sunrise	Christopher Smith	Hazelle Rogers
Tallahassee	Bill Montford	Michelle Rehwinkel Vasilinda Halsey Beshears Alan Williams
Tamarac	Jeremy Ring	Jared Moskowitz
Tampa	Jeffrey Brandes	Dana D Young
Weston	Jeremy Ring	Richard Stark
Wilton Manors	Christopher Smith	Bobby DuBose

BONN.KIM

From: ROGERS.ELLEN
Sent: Monday, January 11, 2016 4:05 PM
To: BONN.KIM
Subject: FW: Jan 13 Committee testimony of Dr Todd Sack, Florida Medical Association
Attachments: SB 318 2016 FL Senate testimony Dr Todd Sack Jan 2016.docx

Please make copies so we can have them for the members at the meeting. Thank you. - Ellen

From: Sack, Todd [mailto:tsack@BGCLINIC.COM]
Sent: Monday, January 11, 2016 4:01 PM
To: ROGERS.ELLEN <ROGERS.ELLEN@flsenate.gov>
Cc: Sack, Todd <tsack@BGCLINIC.COM>
Subject: Jan 13 Committee testimony of Dr Todd Sack, Florida Medical Association

Dear Senator Dean,

I am writing to request your permission to testify on Wednesday concerning SB 318. I will be presenting the positions of the Florida Medical Association. I have attached here a copy of my prepared testimony, as well as copies of the policies of the FMA and AMA on this topic, plus other documentation to support my testimony. I would be grateful if you could share this information with your Committee member and staffs in advance of the meeting, if this is appropriate. My testimony is five minutes.

Thank you for your concern for this important issue of the regulation of natural gas exploration.

Todd L Sack, MD FACP
tsack@bgclinic.com
904-403-6446 mobile 904-398-1321 office
www.borland-groover.com (Gastroenterology & Hepatology)
Florida Medical Association

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SB 318 Concerning the Regulation of Natural Gas Fracking in Florida

Testimony of Todd L Sack, MD FACP

January, 2016

Florida Medical Association

3 Shircliffe Way, Suite 400, Jacksonville, FL 32204

tsack@bgclinic.com

904-403-6446

Thank you for the opportunity to speak in opposition to Senate bill 318. I am here to present the official positions of 20,000 physicians of the Florida Medical Association and the 220,000 physicians of the American Medical Association. The FMA and AMA have adopted specific policies that deal with natural gas fracking and speak specifically to this bill.

I have practiced medicine in Florida for 27 years and am an expert in environmental health, speaking nationally and internationally to physicians. Among my credentials, I served 2 terms as chairman of the Jacksonville Environmental Protection Board, chaired for ten years FMA's Environment and Health Section, and I served on the Florida Energy Commission appointed by Senator Rubio.

SB 318 is unacceptable to me. The key conclusions: first, this bill will interfere significantly with the ability of physicians to care for patients; second, it will erode the confidence of Florida's people in their government, with the certainty that the bill will provoke costly lawsuits and public protests; and third, the bill threatens our agricultural and tourist industries.

The text of my testimony and the specific policies of the FMA and AMA have been provided in advance to the Committee. There are many problems with this bill. In my brief time, let me summarize the central concerns:

First, we ask that you require in the permitting process the full open disclosure of the names of chemicals to be used in oil & gas exploration, including fracking. Doctors caring for patients must know what toxins may be in our water. There is no need for drillers to disclose of the proprietary secrets of the drilling processes such as the concentrations, temperatures or pressures used. The disclosure of the chemicals that could reach our aquifer holds drilling companies to the same standards that we expect of other companies whose products we eat or drink. We require Coca Cola to tell us the names of the chemicals in their beverages but not the secret recipes for making Coke. We must know what is in our water.

SB 318, by using the FracFocus reporting system, allows driller to hide any dangerous chemical just by declaring it to be a trade secret. Senators, please look carefully at the report on fracking released in June 2015 the US Environmental Protection Agency that looked at thousands of wells fracked since 1990. The study concludes that because of the FracFocus system, the quality of the data is so poor that the EPA cannot state water near fracking sites is safe:

- 1076 different chemicals were reported to be used in fracking including ones known to cause cancer, liver disease, birth defects and other illnesses.
- More frightening is that more than 70% of wells hid at least one chemical. Undisclosed chemicals cannot be tested for.

- Many spills were reported.
- The EPA found 6800 drinking water sources within 1 mile of drilling sites. The people drinking this water and their doctors will never know what chemicals may be in the water they are drinking
- Finally, the report acknowledges that almost no water supplies were thoroughly tested. All this is unacceptable for Florida.

Second, we call for testing of water supplies for the chemicals listed in the permits, both before and after fracking. This is a common sense, reasonable request to ensure that we will always have good data on the quality of our water to preserve health and public confidence. SB 318 does not require and does not pay for even minimal water testing.

Third, we recommend serious research concerning the potential of fracking to contaminate the Florida Aquifer or to cause earthquakes in Florida's unique geology. This bills allows just twelve months for research but it could take a year just to design proper research, plus scientists must have the names of the fracking chemicals in order to know what to study, and research needs to be on-going, to continue after fracking begins to ensure our safety.

Fourth, American Medical Association policy calls for careful monitoring and regulation of the "flowback fluids". These are the millions of gallons of polluted water that is removed from each fracking well, often containing natural toxins such as heavy metals, methane and radioactivity. Flowback fluids are stored forever above ground or injected into underground storage wells. How will these be monitored, regulated and protected forever?

Senators, please listen to your constituents. Floridians feel deeply threatened by fracking. Seventy-six elected county commissions, city councils and appointed public boards publically debated this in 2015 and voted for you to ban it. I have provided you the list of those agencies.

In conclusion, the policies of the Florida Medical Association and American Medical Association—America’s physicians—urge you to make major changes to SB 318 because this bill interferes with our ability to care for patients and it erodes public confidence in government. If you cannot substantially rewrite this bill, my personal recommendation is that you adopt a law to ban fracking until proper chemical disclosure and research can be agreed upon.

Thank you.

Additional documents:

- Policies of the Florida Medical Association & American Medical Association
- List of city councils, county commissions, appointed public boards, and private organizations that voted in against fracking in 2015 (this list has not been verified by the FMA or AMA)

A) Florida Medical Association policy adopted July 2014:

1. FMA favors legislation that requires the full disclose of chemicals placed into the natural environment for oil & gas extraction, including disclosure of the specific chemicals and wastewater injected, quantities, & locations.
2. The FMA favors legislation that requires the State of Florida to record and monitor this data, to monitor for human exposures, and to share this information with physicians & Floridians.
3. The FMA favors legislation that supports research into the health impacts of oil and gas exploration and extraction in Florida.

4. The FMA favors measures to educate physicians and the public concerning the potential health and environmental effects resulting from oil and gas extraction.

B) America Medical Association policy adopted October 2014:

1. The American Medical Association supports the full disclosure of chemicals placed into the natural environment during the petroleum, oil and natural gas exploration and extraction process.
2. The American Medical Association supports the requirement that government agencies record and monitor the chemicals placed into the natural environment for petroleum oil and natural gas extraction and the chemicals found in flowback fluids, to monitor for human exposures in well water and surface water, and to share this information with physicians and the public.

C) List of city councils and county commissions that voted against fracking or opposed to provisions in SB318/HB 191 in 2015:

County Resolutions (25):

Alachua
Bay
Broward
Escambia
Flagler
Franklin
Gadsden
Gulf
Hamilton
Jackson
Jefferson
Lake
Leon
Madison
Martin
Miami/Dade
Monroe
Orange
Palm Beach
Pasco
St. Johns

St. Lucie
Taylor
Union
Wakulla

City Resolutions/Ordinances (40):

Atlantic Beach
Bonita Springs
Callahan
Coconut Creek
Cooper City
Coral Springs
Dade City
Dania Beach
Davie
Deerfield Beach
Fernandina Beach
Fort Myers Beach
Hallandale Beach
Hillsboro Beach
Hollywood
Key West
Lake Worth
Lauderhill
Lighthouse Point
Margate
Marianna
Miramar
Monticello
Neptune Beach
North Lauderdale
Panama City
Parkland
Pembroke Pines
Plantation
Pompano Beach
St. Augustine

St. Petersburg
South Miami
Southwest Ranches
Sunrise
Tallahassee
Tamarac
Tampa
Weston
Wilton Manors

Appointed public boards and private organizations (11):

Jacksonville Environmental Protection Board
Broward County Democratic Party
Democratic Women's Club of Florida
Florida AFL-CIO
Florida Clean Water Network
Florida Federation of Garden Clubs
Florida Medical Association
Leon, Orange, and Seminole County Soil and Water Boards
Palm Beach County Democratic Party
Physicians for Social Responsibility of Florida
Union for Reform Judaism

SB 318 Concerning the Regulation of Natural Gas Fracking in Florida

Testimony of Todd L Sack, MD FACP

January, 2016

Florida Medical Association

3 Shircliffe Way, Suite 400, Jacksonville, FL 32204

tsack@bgclinic.com

904-403-6446

Thank you for the opportunity to speak in opposition to Senate bill 318. I am here to present the official positions of 20,000 physicians of the Florida Medical Association and the 220,000 physicians of the American Medical Association. The FMA and AMA have adopted specific policies that deal with natural gas fracking and speak specifically to this bill.

I have practiced medicine in Florida for 27 years and am an expert in environmental health, speaking nationally and internationally to physicians. Among my credentials, I served 2 terms as chairman of the Jacksonville Environmental Protection Board, chaired for ten years FMA's Environment and Health Section, and I served on the Florida Energy Commission appointed by Senator Rubio.

SB 318 is unacceptable to me. The key conclusions: first, this bill will interfere significantly with the ability of physicians to care for patients; second, it will erode the confidence of Florida's people in their government, with the certainty that the bill will provoke costly lawsuits and public protests; and third, the bill threatens our agricultural and tourist industries.

The text of my testimony and the specific policies of the FMA and AMA have been provided in advance to the Committee. There are many problems with this bill. In my brief time, let me summarize the central concerns:

First, we ask that you require in the permitting process the full open disclosure of the names of chemicals to be used in oil & gas exploration, including fracking. Doctors caring for patients must know what toxins may be in our water. There is no need for drillers to disclose of the proprietary secrets of the drilling processes such as the concentrations, temperatures or pressures used. The disclosure of the chemicals that could reach our aquifer holds drilling companies to the same standards that we expect of other companies whose products we eat or drink. We require Coca Cola to tell us the names of the chemicals in their beverages but not the secret recipes for making Coke. We must know what is in our water.

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- More frightening is that more than 70% of wells hid at least one chemical. Undisclosed chemicals cannot be tested for.

- Many spills were reported.
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Senators, please listen to your constituents. Floridians feel deeply threatened by fracking. Seventy-six elected county commissions, city councils and appointed public boards publically debated this in 2015 and voted for you to ban it. I have provided you the list of those agencies.

In conclusion, the policies of the Florida Medical Association and American Medical Association—America’s physicians—urge you to make major changes to SB 318 because this bill interferes with our ability to care for patients and it erodes public confidence in government. If you cannot substantially rewrite this bill, my personal recommendation is that you adopt a law to ban fracking until proper chemical disclosure and research can be agreed upon.

Thank you.

Additional documents:

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- List of city councils, county commissions, appointed public boards, and private organizations that voted in against fracking in 2015 (this list has not been verified by the FMA or AMA)

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2. The FMA favors legislation that requires the State of Florida to record and monitor this data, to monitor for human exposures, and to share this information with physicians & Floridians.
3. The FMA favors legislation that supports research into the health impacts of oil and gas exploration and extraction in Florida.

4. The FMA favors measures to educate physicians and the public concerning the potential health and environmental effects resulting from oil and gas extraction.

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1. The American Medical Association supports the full disclosure of chemicals placed into the natural environment during the petroleum, oil and natural gas exploration and extraction process.
2. The American Medical Association supports the requirement that government agencies record and monitor the chemicals placed into the natural environment for petroleum oil and natural gas extraction and the chemicals found in flowback fluids, to monitor for human exposures in well water and surface water, and to share this information with physicians and the public.

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Alachua
Bay
Broward
Escambia
Flagler
Franklin
Gadsden
Gulf
Hamilton
Jackson
Jefferson
Lake
Leon
Madison
Martin
Miami/Dade
Monroe
Orange
Palm Beach
Pasco
St. Johns

St. Lucie
Taylor
Union
Wakulla

City Resolutions/Ordinances (40):

Atlantic Beach
Bonita Springs
Callahan
Coconut Creek
Cooper City
Coral Springs
Dade City
Dania Beach
Davie
Deerfield Beach
Fernandina Beach
Fort Myers Beach
Hallandale Beach
Hillsboro Beach
Hollywood
Key West
Lake Worth
Lauderhill
Lighthouse Point
Margate
Marianna
Miramar
Monticello
Neptune Beach
North Lauderdale
Panama City
Parkland
Pembroke Pines
Plantation
Pompano Beach
St. Augustine

St. Petersburg
South Miami
Southwest Ranches
Sunrise
Tallahassee
Tamarac
Tampa
Weston
Wilton Manors

Appointed public boards and private organizations (11):

Jacksonville Environmental Protection Board
Broward County Democratic Party
Democratic Women's Club of Florida
Florida AFL-CIO
Florida Clean Water Network
Florida Federation of Garden Clubs
Florida Medical Association
Leon, Orange, and Seminole County Soil and Water Boards
Palm Beach County Democratic Party
Physicians for Social Responsibility of Florida
Union for Reform Judaism

THE FLORIDA SENATE

APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

January 13, 2016

Meeting Date

SB 318

Bill Number (if applicable)

Topic Regulation of oil & gas exploration

Amendment Barcode (if applicable)

Name Todd L Sack MD FACP

Job Title Florida physician in private practice

Address 3 Shircliffe Way, Suite 400 Phone 904-403-6446
Street

Jacksonville Florida 32204 Email: tsack@bgclinic.com
City State Zip

Speaking: For Against Information Waive Speaking: In Support Against
(The Chair will read this information into the record.)



Representing: policies of the Florida Medical Association

11

THE FLORIDA SENATE

APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16
Meeting Date

318
Bill Number (if applicable)

877992
Amendment Barcode (if applicable)

Topic REG. OF OIL/GAS

Name DAVID CULLEN

Job Title

Address 1674 UNIVERSITY PKWY #296
Street

Phone 941-323-2404

SARASOTA FL 34243
City State Zip

Email cullenasea@aol.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing SIERRA CLUB FLORIDA

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-16

Meeting Date

318

Bill Number (if applicable)

877992

Amendment Barcode (if applicable)

Topic Oil & Gas Regulation

Name Brian Lee

Job Title Lobbyist

Address 1603 Sauls St

Street

Tallahassee

City

FL 32308

State

Zip

Phone 850 766 7309

Email brian@getfluenergy
Florida.org

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Floridians Against Fracking

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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S-001 (10/14/14)

THE FLORIDA SENATE

2

APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16
Meeting Date

318
Bill Number (if applicable)
503648
Amendment Barcode (if applicable)

Topic REG OF BILL/RES

Name DAVID COLLEN

Job Title

Address 1674 UNIVERSITY PKY #296

Phone 941.323.2404

SARASOTA FL 34243
City State Zip

Email collenasear@ast.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing SIERRA CLUB FLORIDA

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-16

Meeting Date

318

Bill Number (if applicable)

Topic Oil & Gas Regulation

503648

Amendment Barcode (if applicable)

Name Brian Lee

Job Title Lobbyist

Address 1603 Savls ST.

Phone 850.766.7309

Street

Tallahassee

State

FL

Zip

32308

Email brian@rethinkenergy

florida.org

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Floridians Against Fracking

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-16

Meeting Date

318

Bill Number (if applicable)

247368

Amendment Barcode (if applicable)

Topic Oil & Gas Regulation

Name Brian Lee

Job Title Lobbyist

Address 1603 Sully St

Phone

Tallahassee FL 32308

City State Zip

Email

Speaking: [] For [] Against [] Information

Waive Speaking: [x] In Support [] Against (The Chair will read this information into the record.)

Representing Floridians Against Fracking

Appearing at request of Chair: [] Yes [x] No

Lobbyist registered with Legislature: [x] Yes [] No

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THE FLORIDA SENATE
APPEARANCE RECORD

④

1-13-16

Meeting Date

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

318

Bill Number (if applicable)

116428

Amendment Barcode (if applicable)

Topic Oil & Gas Regulation

Name Brian Lee

Job Title Lobbyist

Address 1603 Sauls St

Street

Phone _____

Tallahassee FL 32308

City

State

Zip

Email _____

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Floridians Against Fracking

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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S-001 (10/14/14)

THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/2016
Meeting Date

Bill Number (if applicable)

Topic Confirmation Hearing

Amendment Barcode (if applicable)

Name Noah Valerstein

Job Title Executive Director

Address 9225 CR 49
Street

Phone 386.362.1001

Live Oak FL 32060
City State Zip

Email NOVGSRUNS.ORG

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Suwannee River Water Management District

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16

Meeting Date

Bill Number (if applicable)

Topic _____

Amendment Barcode (if applicable)

Name DR. ANN SHORTELE

Job Title EXECUTIVE DIRECTOR

Address 601 SOUTH LAKE DESTINY ROAD

Phone _____

Street

MAITLAND

FL

32751

Email _____

City

State

Zip

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing SJRWMD

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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S-001 (10/14/14)

THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

Jan. 13, 2016
Meeting Date

Bill Number (if applicable)

Topic Confirmation

Amendment Barcode (if applicable)

Name Robert Spottswood

Job Title Commissioner - Fish + Wildlife Conservation Commission

Address 506 Fleming Street

Phone 305-294-4840

Street

Key West

Email robert.spottswood@myfwc.com

City

State

Zip

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Fish + Wildlife Conservation Commission

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-16
Meeting Date

318
Bill Number (if applicable)
S59396 (Dean)
Amendment Barcode (if applicable)

Topic Oil & Gas Regulation

Name Brian Lee

Job Title Lobbyist

Address 1603 Savls ST
Street
Tallahassee FL 32308
City State Zip

Phone _____

Email _____

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing _____

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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APPEARANCE RECORD

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1/13/16
Meeting Date

318
Bill Number (if applicable)

Topic Oil & Gas Regulation

400966 (Dean)
Amendment Barcode (if applicable)

Name Brian Lee

Job Title Lobbyist

Address 1603 Sads St
Street

Phone 850 766 7309

Tallahassee FL 32308
City State Zip

Email brian@rethinkenergyflorida.org

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Floridians Against Fracking

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13/16
Meeting Date

318
Bill Number (if applicable)

215552 (COCA)
Amendment Barcode (if applicable)

Topic Oil & Gas Regulation

Name Brian Lee

Job Title Lobbyist

Address 1603 Sads St

Phone 850 766 7309

Street
Tallahassee FL 32308
City State Zip

Email brian@cehioenergyflorida.org

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Floridians Against Fracking

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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1-13-16

Meeting Date

318

Bill Number (if applicable)

559396

Amendment Barcode (if applicable)

Topic Oil & Gas Regulation

Name Brian Lee

Job Title Lobbyist

Address 1603 Sads St

Street

Phone 850-766-7309

Tallahassee FL 32308

City

State

Zip

Email brian@earthenergyflorida.org

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Floridians Against Fracking

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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S-001 (10/14/14)

THE FLORIDA SENATE

APPEARANCE RECORD

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1/13/16

Meeting Date

SB 318

Bill Number (if applicable)

Topic Oil & Gas ~~Hyd~~ Fracking

Amendment Barcode (if applicable)

Name Anne Van Meter

Job Title Citizen

Address 251 Levy Bay Rd

Phone 228-9641

Street

vanmeter anne

City

Panacea, FL 32346

State

Zip

Email @gmail.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Give my time to Dr Tod Sack

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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THE FLORIDA SENATE
APPEARANCE RECORD

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1/13/16
Meeting Date

SB 318
Bill Number (if applicable)

Topic SB 318

Amendment Barcode (if applicable)

Name CLIFF THAELL

Job Title _____

Address 9601-59 Micosukee Road
Street

Phone (850) 545-8866

Tallahassee, FL 32309
City State Zip

Email cthaskell@gmail.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Rethink Energy & Climate Reality Project

Appearing at request of Chair: Yes No

Lobbyist registered with legislature: Yes No

WAIVE FOR TIME FOR DR SACK

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S-001 (10/14/14)

THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16
Meeting/Date

SB 318
Bill Number (if applicable)

Topic Regulation of Oil and Gas

Amendment Barcode (if applicable)

Name Mary-Lynn Cullen

Job Title Legislative Liaison

Address 1674 University Pkwy
Street

Phone 941 928 0278

Sarasota Fl. 34243
City State Zip

Email aichildren@aol.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Advocacy Institute For Children

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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S-001 (10/14/14)

THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-16

Meeting Date

SB 318

Bill Number (if applicable)

Topic Fracking

Amendment Barcode (if applicable)

Name Dr. Ron Saff

Job Title ~~Ret~~ Doctor

Address 2300 Centerville Rd.

Phone 850 766-7886

Tallahassee FL

Email amalie.datz@mac.com

City State Zip

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Physicians for Social Responsibility

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

This form is part of the public record for this meeting.

THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-14
Meeting Date

SB 318
Bill Number (if applicable)

Topic ~~Regulation of Oil & Gas~~ Regulation of Oil & Gas

Amendment Barcode (if applicable)

Name Stephanie Kunkel

Job Title _____

Address 1143 Albrighton Dr
Street

Phone 850-320-4208

Tallahassee FL 32301
City State Zip

Email Stef.Kunkel@gmail.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Conservancy of Southwest FL

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-16

Meeting Date

318

Bill Number (if applicable)

Topic Fracking regulations

Amendment Barcode (if applicable)

Name James Tatum, Ph.D.

Job Title Retired Univ. Professor

Address 914 SW Riverland Ct

Phone 386-454-1916

Street
Fort White FL 32038

Email jmtatum@paleoenterprises.com

City State Zip

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Floridians Against Fracking Our Santa Fe River, Inc.

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

11/13/16

Meeting Date

SB 318

Bill Number (if applicable)

Topic Oil and Gas Resources

Amendment Barcode (if applicable)

Name Brewster Bevis

Job Title Senior Vice President

Address 516 N. Adams St

Phone 224-7173

Street

Tallahassee

FL

32301

Email bbevis@aif.com

City

State

Zip

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Associated Industries of Florida

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/2016
Meeting Date

SB 318
Bill Number (if applicable)

Topic EPA report on fracking

Amendment Barcode (if applicable)

Name Marc Freeman

Job Title Professor Emeritus

Address 5143 Icicle Hill
Street

Phone 850 562-1335

Tallahassee FL 32303
City State Zip

Email prolactin@comcast.net

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Self

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-16
Meeting Date

SB 318
Bill Number (if applicable)

Topic Fracking

Amendment Barcode (if applicable)

Name Merrilee Mahwitz-Jipson

Job Title _____

Address 2070 SW County Rd 138
Street

Phone 352-222-8893

Ft. White FL 32038
City State Zip

Email Merrileeart@aol.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Floridians Against Fracking Coalition, Our Santa Fe River

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-16

Meeting Date

SB 318

Bill Number (if applicable)

Topic Fracking

Amendment Barcode (if applicable)

Name Amy Datz

Job Title Retired Environmental Scientist (850)

Address 1130 Orestview Ave

Phone 322-7599

Street

Tallahassee

City

FL

State

32303

Zip

Email amali@datz@mac.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Environmental Caucus of FL.

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

Meeting Date _____

Bill Number (if applicable) 318

Topic Fricking

Amendment Barcode (if applicable) _____

Name Kim Ross

Job Title President Rethink Energy Florida

Address 565 East Tennessee St

Phone 850-883-2565

Tallahassee FL 32308
City State Zip

Email kim@rethinkenergyflorida.org

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing _____

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE

APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16

Meeting Date

318

Bill Number (if applicable)

Topic

Amendment Barcode (if applicable)

Name STEPHEN JAMES

Job Title

Address 100 S. MONROE

Phone (850) 922-4300

Street

TALLAHASSEE, FL 32301

Email

City

State

Zip

Speaking: For Against Information

Waive Speaking: In Support Against (The Chair will read this information into the record.)

Representing FLA. ASSOC. OF COUNTIES

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-16

Meeting Date

SB 318

Bill Number (if applicable)

Topic SB 318 Pro-FRACKING

Amendment Barcode (if applicable)

Name RAY BELLAMY

Job Title PHYSICIAN

Address 814 E. SEVENTH AVE.

Phone 850-545-6932

Street

TALLAHASSEE FLA 32303

City

State

Zip

Email RAY.BELLAMY@MOB.FSU.EDU

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing PHYSICIANS FOR SOCIAL RESPONSIBILITY

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-2016
Meeting Date

FSB 318
Bill Number (if applicable)

Topic FSB 318 / FRACKING

Amendment Barcode (if applicable)

Name ROGER SHEPHERD

Job Title RETIRED

Address 224 SINCLAIR RD
Street

Phone 856-766-2323

YALAHASSEE, FL 32312
City State Zip

Email pelagicflyer@comcast.net

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing MY SELF

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1-13-16

Meeting Date

318

Bill Number (if applicable)

Topic Bill 318 Fracking

Amendment Barcode (if applicable)

Name John Debus

Job Title Retired

Address 2038 Wyndham Hollow Court
Street

Phone 772-349-5328

Jacksonville FL 32246
City State Zip

Email JohnRDebus@gmail.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing _____

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16
Meeting Date

SB 318
Bill Number (if applicable)

Topic Regulation of Oil & Gas Resources

Amendment Barcode (if applicable)

Name Ralph Thomas

Job Title Chairman Wakulla BOCC

Address 637 Hunters Trace
Street

Phone 850-597-3858

Crawfordville FL 32327
City State Zip

Email rthomas@mywakulla.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Wakulla Board of County Commissioners

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16

Meeting Date

318

Bill Number (if applicable)

Topic REG. OF AIR/GAS

Amendment Barcode (if applicable)

Name DAVID COLLIER

Job Title _____

Address 1674 UNIVERSITY PKWY #296

Phone 941-323-2404

SARASOTA FL 34243

Email collierd@earthlink.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing SIERRA CLUB FLORIDA

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16
Meeting Date

318
Bill Number (if applicable)

Topic Oil/Gas

Amendment Barcode (if applicable)

Name David Mica

Job Title Executive Director

Address 215 S. Monroe St
Street

Phone 561-6300

Palm Beach FL 32301
City State Zip

Email MICAD@API.ORG

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing FLORIDA Petroleum Council

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16

Meeting Date

SB 318

Bill Number (if applicable)

Topic Oil & Gas Hydraulic Fracturing

Amendment Barcode (if applicable)

Name HOWARD KESSLER

Job Title County Commissioner

Address 112 Old Still Rd

Phone 850 597 3856

CRAWFORDVILLE FL 32327

City State Zip

Email hkessler@mywakulla.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing WAKULLA SPRINGS ALLIANCE

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/14

Meeting Date

318

Bill Number (if applicable)

Topic _____

Amendment Barcode (if applicable)

Name Gary Hunter

Job Title Attorney

Address 119 S Monroe St Suite 300
Street

Phone 850-222-7500

Tallahassee FL 32301
City State Zip

Email garyh@hgsllaw.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Florida Chamber of Commerce

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16

Meeting Date

SB 318

Bill Number (if applicable)

Topic SB 318 Fracking Regulation

Amendment Barcode (if applicable)

Name Ken Hays

Job Title Retired State Employee

Address 1935 Nantiocke Circle

Phone 850-385-7053

Street

Tallahassee

FL

32303

Email kmh8arin@gmail.com

City

State

Zip

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing _____

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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S-001 (10/14/14)

THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/23/16

Meeting Date

SB 318

Bill Number (if applicable)

Topic FRACKING LEGISLATION

Amendment Barcode (if applicable)

Name KEN CORNELL

Job Title ALACHUA COUNTY COMMISSIONER

Address 7707 NE 222 ST

Phone 352 281 4000

Street

MELROSE

City

FL

State

32666

Zip

Email KCORNELL@ALACHUACOUNTY.US

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing ALACHUA COUNTY

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

7/13/2016
Meeting Date

5B 318
Bill Number (if applicable)

Topic REGULATION OF OIL & GAS RESOURCES

Amendment Barcode (if applicable)

Name JOHN DIKERT

Job Title RETIRED PROFESSIONAL ENGINEER

Address 193 NW HAMILTON AVE
Street

Phone 850-973-3699

MADISON FL 37340
City State Zip

Email Johnw512@yahoo.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing CITIZENS OF MADISON COUNTY WHO WANT CLEAN WATER

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/2016
Meeting Date

SB 318
Bill Number (if applicable)

Topic REGULATION OF OIL & GAS RESOURCES

Amendment Barcode (if applicable)

Name GARY DICKERT

Job Title RETIRED

Address 193 NW HAMILTON AVE
Street

Phone 850-973-3699

MADISON FL 32340
City State Zip

Email ghaus512@yahoo.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing MADISON GARDEN CLUB

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

11/13/10
Meeting Date

318
Bill Number (if applicable)

Topic Fracking

Amendment Barcode (if applicable)

Name Patricia T. Thomas

Job Title Citizen

Address 2985 Teton Trail

Phone 386-9475

Street

Tallahassee, Fla 32303

City

State

Zip

Email michaelralph123@
col.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Environmental Causes

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/14
Meeting Date

SB-318
Bill Number (if applicable)

Topic _____

Amendment Barcode (if applicable)

Name Ron Fahs

Job Title Citizen

Address 7600 Mill Pond Loop

Phone 850-656-5409

Tallahassee, Florida
Street City State Zip

Email ron.fahs@comcast.net

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Self

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

318

Bill Number (if applicable)

1/13/16
Meeting Date

Topic Fracking

Amendment Barcode (if applicable)

Name Rebecca O'Hara

Job Title _____

Address PO Box 1757
Street

Phone 339-6211

Talla FL 32301
City State Zip

Email rao@theriaquelaw.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Fla League of Cities

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16

Meeting Date

SB 318

Bill Number (if applicable)

Topic FRACKING SB 318

Amendment Barcode (if applicable)

Name ERIC ROLLINGS

Job Title ORANGE SOIL & WATER CONSERVATION CHAIR

Address 139 E. MUMEL ST.

Phone 907-256-2470

Street

ORL

City

State

Zip

Email _____

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing ORANGE SOIL & WATER CONSERVATION DISTRICT

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

SB 318
Bill Number (if applicable)

Meeting Date _____

Topic SB 318

Amendment Barcode (if applicable) _____

Name Taj Hall

Job Title _____

Address ~~POB~~ 4434 Gearhart Rd

Phone (850) 942-7337

Street

Tallahassee FL 32303

City

State

Zip

Email TLUX123@AOL.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing _____

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16
Meeting Date

318
Bill Number (if applicable)

Topic REGULATION

Amendment Barcode (if applicable)

Name GAIL MARIE PERRY

Job Title CHAIR

Address PO BOX 1766
Street

Phone 954 850 4255

POMPANO BEACH FLORIDA 33061
City State Zip

Email worshipfolk@hotmail.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing COMMUNICATIONS WORKERS of AMERICA COUNCIL of FLORIDA

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16

Meeting Date

Bill Number (if applicable)

Topic SB 318

Amendment Barcode (if applicable)

Name Joe Cain

Job Title retired

Address 2807 Stahly Dr

Phone 850-567-6438

Street

Tallahassee FL 32312

City

State

Zip

Email jcain3@gmail.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing myself

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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S-001 (10/14/14)

THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16

Meeting Date

SB 318

Bill Number (if applicable)

Topic FRACKING REGULATION

Amendment Barcode (if applicable)

Name BRIAN LUPIANI

Job Title _____

Address 607 McDANIEL ST

Phone (850) 273-1028

Street

TALLAHASSEE FL 32303

Email BRIANLUPIANI@YAHOO.COM

City

State

Zip

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing SELF

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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S-001 (10/14/14)

THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16

Meeting Date

318

Bill Number (if applicable)

Topic Oil & Gas Regulations

Amendment Barcode (if applicable)

Name Brian Lee

Job Title Lobbyist

Address 1603 Sauls St

Phone 850.766.7309

Street

Tallahassee FL 32308

City

State

Zip

Email brian@centerforenergyflorida.org

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Floridians Against Fracking

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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S-001 (10/14/14)

THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16
Meeting Date

SB 318
Bill Number (if applicable)

Topic Regulation of oil & gas resources

Amendment Barcode (if applicable)

Name Debbie Harrison Rumberger

Job Title Legislative Liaison

Address 540 Beverly Court

Phone 850-224-2545

Street

Tallahassee Florida 32301

City

State

Zip

Email LwvAdvocacy@gmail.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Florida League of Women Voters

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

This form is part of the public record for this meeting.

S-001 (10/14/14)

THE FLORIDA SENATE

APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

4/13/16

Meeting Date

318

Bill Number (if applicable)

Topic Drilling

Amendment Barcode (if applicable)

Name Rich Templin

Job Title _____

Address 135 S. Monroe
Street

Phone 850-224-6926

Tallahassee FL 32304
City State Zip

Email _____

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Florida AFL-CIO

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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THE FLORIDA SENATE

APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16

Meeting Date

SB 318

Bill Number (if applicable)

Topic HYDRAULIC FRACTURING

Amendment Barcode (if applicable)

Name KEVIN DOYLE

Job Title CONSUMER ENERGY ALLIANCE - FL EXECUTIVE DIRECTOR

Address 76 S. LAURA ST. #1702

Phone 904-806-1714

JACKSONVILLE, FL 32202

Email KDOYLE@CONSUMERENERGYALLIANCE.ORG

City State Zip

Speaking: [X] For [] Against [] Information

Waive Speaking: [X] In Support [] Against (The Chair will read this information into the record.)

Representing

Appearing at request of Chair: [] Yes [X] No

Lobbyist registered with Legislature: [X] Yes [] No

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THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/15
Meeting Date

318
Bill Number (if applicable)

Topic FRACKING

Amendment Barcode (if applicable)

Name DANIELA LEVINE-CAVA

Job Title COMMISSIONER

Address 111 NW 1ST
Street

Phone 305-375-5600

MIAMI, FL
City State Zip

Email _____

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing MIAMI-DADE COUNTY

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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THE FLORIDA SENATE

APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/16
Meeting Date

318
Bill Number (if applicable)

Topic FRACKING

Amendment Barcode (if applicable)

Name JOHN HEORICK

Job Title CHAIR, DEMOCRATIC ENVIRONMENTAL CAUCUS OF FLORIDA

Address P.O. BOX 6683

Phone 850-339-5462

TALLAHASSEE, FLA. 32314
Street City State Zip

Email JOHNHEORICK13@YAHOO.COM

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing _____

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

This form is part of the public record for this meeting.

THE FLORIDA SENATE

APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/13/2016

Meeting Date

SB 318

Bill Number (if applicable)

Topic REGULATION OF OIL & GAS RESOURCES

Amendment Barcode (if applicable)

Name HEATHER LAMB

Job Title STUDENT - AUCILLA CHRISTIAN ACADEMY

Address 1663 NOBEL DRIVE

Phone 850-997-7347

Street

MORNINGLAND

FL

State

32344

Zip

Email

Speaking: For [] Against [X] Information []

Waive Speaking: In Support [] Against [] (The Chair will read this information into the record.)

Representing

Appearing at request of Chair: Yes [] No [X]

Lobbyist registered with Legislature: Yes [] No [X]

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

This form is part of the public record for this meeting.

CourtSmart Tag Report

Room: LL 37

Case No.:

Type:

Caption: Senate Environmental Preservation and Conservation Committee

Judge:

Started: 1/13/2016 4:04:51 PM

Ends: 1/13/2016 5:52:14 PM

Length: 01:47:24

4:04:50 PM Meeting called to order
4:04:52 PM Roll call
4:04:55 PM Quorum present
4:05:07 PM Opening comments
4:06:01 PM Tab 1 Dr. Ann Shortelle recognized
4:07:00 PM Dr. Shortelle sworn in and recognized to speak
4:08:35 PM Senator Soto recognized with a question
4:09:34 PM Dr. Shortelle recognized to respond
4:10:16 PM Senator Hays recognized in debate
4:11:24 PM Senator Hays moves to recommend confirmation of Ann Shortelle
4:12:23 PM Roll call for confirmation of Ann Shortelle
4:12:31 PM Ann Shortelle recommended favorably
4:12:39 PM Tab 2 Charles Drake sworn in
4:12:56 PM Senator Soto with question for Charles Drake
4:13:56 PM Charles Drake with response
4:14:16 PM Senator Hays recognized in debate
4:15:16 PM Senator Hays moves to recommend Charles Drake for confirmation
4:15:33 PM Seconded by Senator Simpson
4:15:41 PM Roll call for confirmation of Charles Drake
4:15:48 PM Charles Drake recommended favorably
4:15:54 PM Tab 5 Peter Antonacci sworn in and recognized to speak
4:20:07 PM Senator Smith recognized in debate
4:21:06 PM Peter Antonacci with response
4:21:35 PM Senator Smith with follow-up
4:22:34 PM Peter Antonacci with response
4:22:40 PM Senator Smith moves for confirmation for Peter Antonacci
4:23:08 PM Roll call on confirmation of Peter Antonacci
4:23:17 PM Confirmation of Peter Antonacci
4:23:36 PM Noah Valenstein sworn in and recognized to speak
4:24:25 PM Senator Altman recognized with comments
4:25:25 PM Senator Altman moves to recommend Noah Valenstein for confirmation
4:25:43 PM Roll call for Noah Valenstein confirmation recommendation
4:25:51 PM Noah Valenstein recommended favorably for confirmation
4:25:59 PM Senator Hays with personal privilege comments
4:26:26 PM Tab 16 Robert Spottswood sworn in and recognized to speak
4:27:42 PM Senator Soto with question for Robert Spottswood
4:28:42 PM Robert Spottswood with response
4:28:53 PM Senator Altman moves to recommend Robert Spottswood for confirmation
4:29:39 PM Roll call on confirmation recommendation for Robert Spottswood
4:29:52 PM Confirmation of Robert Spottswood is recommended favorably
4:29:59 PM One vote for the remaining appointees
4:30:24 PM Roll call for Frederick Roberts confirmation recommendation
4:30:42 PM Frederick Roberts and Ronald Howse recommended for confirmation
4:31:04 PM Senator Hutson wishes to be reported voting in the affirmative for tabs 1, 2, and 5
4:31:21 PM Senator Simpson moves to recommend candidates for confirmation
4:31:41 PM Confirmation of the SFWMD is recommended favorably
4:31:58 PM Roll call for confirmation recommendation for Board of Suwanee River
4:32:26 PM Appointees recommended favorably for confirmation
4:32:40 PM Roll call for confirmation recommendation for Richard Hanas
4:33:08 PM Richard Hanas recommended favorably for confirmation'
4:33:17 PM Tab 17 SB 318 Regulation of Oil and Gas Resources presented by Senator Richter
4:41:55 PM Senator Altman with question

4:42:55 PM Senator Richter with response
4:43:14 PM Senator Altman with follow-up
4:44:02 PM Senator Richter with response
4:44:16 PM Senator Hutson recognized with question
4:44:24 PM Senator Richter with response
4:45:04 PM Senator Hutson with follow-up
4:46:04 PM Senator Richter with response
4:46:53 PM Senator Soto recognized with question
4:47:51 PM Senator Richter with response
4:48:47 PM Senator Soto with follow-up
4:49:47 PM Senator Richter with response
4:50:04 PM Senator Soto with follow-up
4:50:55 PM Senator Richter with response
4:51:35 PM Senator Soto with follow-up question
4:51:42 PM Senator Richter with response
4:52:11 PM Senator Hays recognized with a question
4:53:07 PM Senator Richter with response
4:54:00 PM Amendment 877992 presented by Senator Soto
4:54:55 PM David Cullen with the Sierra Club waives in support
4:55:34 PM Brian Lee with Floridians Against Fracking waive in support
4:55:46 PM Senator Richter comments on Amendment 877992
4:56:37 PM Senator Soto recognized to close on Amendment 877992
4:57:37 PM Roll call on Amendment 877992
4:58:17 PM Amendment 877992 fails
4:58:41 PM Amendment 503648 presented by Senator Simpson
4:59:09 PM David Cullen with sierra club wiaves in support
4:59:31 PM Brian Lee with floridians Against Fracking waive in support
4:59:40 PM Senator Evers recognized with question
4:59:49 PM Senator Richter with response
5:00:00 PM Senator Simpson recognized to respond
5:00:40 PM Senator Hays recognized in debate on Amendment 503648
5:01:47 PM Senator Richter recognized to speak
5:03:29 PM Senator Evers with question for Senator Simpson
5:04:29 PM Senator Simpson with response
5:04:34 PM Senator Soto recognized
5:04:45 PM Senator Richter with another comment
5:04:59 PM Senator Simpson recognized to close on Amendment 503648
5:05:51 PM Roll call on Amendment 503648
5:06:51 PM Amendment 503648 adopted
5:07:09 PM Amendment 247368 presented by Senator Soto
5:07:41 PM Senator Hays recognized with a question for Senator Soto
5:07:58 PM Senator Soto with response
5:08:01 PM Senator Hays with comments
5:08:32 PM Senator Richter recognized to speak
5:09:13 PM Brian Lee with Floridians Against Fracking waives in support of Amendment 247368
5:09:56 PM Senator Soto recognized to close on Amendment 247368
5:10:13 PM Senator Soto withdraws Amendment 247368
5:10:22 PM Amendment 116428 presented by Senator Soto
5:10:53 PM Senator Dean with question
5:11:01 PM Senator Soto with responses
5:11:04 PM Senator Hays with question
5:11:22 PM Senator Soto with response
5:11:39 PM Brian Lee with Floridians Against Fracking waives in support
5:12:09 PM Senator Richter recognized in debate on Amendment 116428
5:12:22 PM Senator Soto withdraws Amendment 116428
5:13:18 PM Chair given to Vice-Chair Senator Simpson
5:13:42 PM Senator Dean recognized to present Amendment 900722
5:13:57 PM Senator Evers with question
5:14:31 PM Senator Dean with response
5:14:44 PM Senator Evers with follow-up
5:14:54 PM Senator Dean with response
5:14:59 PM Senator Richter recognized to speak on Amendment 900722

5:16:24 PM Senator Dean recognized to speak
5:17:24 PM Vote on Amendment 900722
5:17:46 PM Amendment 900722 adopted
5:17:49 PM Amendment 215552 presented by Senator Richter
5:18:16 PM Senator Altman recognized with question
5:19:16 PM Senator Richter with response
5:19:19 PM Brian Lee with Floridians Against Fracking waives in support
5:19:46 PM Amendment 215552 adopted
5:20:00 PM Amendment 400966 presented by Senator Richter
5:20:17 PM Brian Lee with Floridians Against Fracking waives in support
5:21:07 PM Senator Dean recognized in debate
5:21:16 PM Senator Richter waives close
5:21:22 PM Amendment 400966 adopted
5:21:25 PM Amendment 559396 presented by Senator Richter
5:21:53 PM Brian Lee with Floridians Against Fracking waives in support
5:22:10 PM Senator Evers recognized
5:22:20 PM Senator Evers with question for Senator Richter
5:22:36 PM Senator Richter response
5:22:41 PM Senator Evers with follow-up question
5:23:20 PM Senator Richter with response to Senator Evers
5:23:27 PM Senator Evers with clarification
5:23:38 PM Senator Richter with response
5:24:21 PM Senator Evers with follow-up
5:24:47 PM Senator Richter with response
5:24:55 PM Senator Dean recognized
5:25:00 PM Senator Richter with response
5:25:18 PM Amendment 559396 adopted
5:25:31 PM Senator Dean has chair again
5:26:45 PM Ron Saff recognized to speak
5:28:48 PM Tod Sack recognized to speak
5:29:49 PM Senator Hays recognized with a question
5:30:48 PM Dr. Tod Sack with response
5:31:10 PM Senator Hays with response
5:31:20 PM Senator Hays with clarification
5:31:35 PM Dr. Tod Sack with response
5:31:45 PM Senator Altman with question
5:32:03 PM Dr. Tod Sack with response
5:32:11 PM Anne Van Meter waives in opposition
5:32:46 PM Cliff
5:32:52 PM Mary Lynn Cullen
5:33:07 PM Dr. Ron Saff recognized
5:34:44 PM Stephanie Kunkel with Conservancy of SW FL speaking against
5:35:57 PM James Tatum speaking against the bill
5:37:00 PM Mark Freeman speaking against the bill
5:38:03 PM Brewster Bevis recognized to speak in support of the bill
5:38:24 PM Merrillee Malwitz-Jipson speaking against the bill
5:39:07 PM Amy Datz speaking against the bill
5:39:54 PM Kim Ross speaking against
5:41:38 PM Stephen James speaking against the bill
5:42:07 PM Ray Bellamy speaking against the bill
5:42:25 PM Roger Shepherd speaking against the bill
5:43:16 PM John Debys speaking against the bill
5:43:48 PM Ralph Thomas speaking with information
5:44:07 PM David Cullen appearing against
5:44:34 PM David Mica waive in support
5:44:42 PM Gary Hunter waives in support
5:45:11 PM Ken Hays speaking against
5:45:21 PM Ken Cornell speaking against
5:45:45 PM John Diokert speaking against
5:46:21 PM Gale Dickert speaking against
5:47:02 PM Patricia Thomas waives in opposition
5:47:26 PM Ron Rahs speaking against the bill

5:47:34 PM Rebecca O'Hara speaking against
5:47:52 PM Eric Rollings speaking against
5:47:56 PM Taj Hall in opposition
5:48:34 PM Gail Marie Perry speaking against the bill
5:48:46 PM Joe Cain recognized
5:49:11 PM Brian Lupiani waives in opposition
5:49:26 PM Debbie Harrison against
5:49:31 PM Brian Lee against
5:49:36 PM Rich Templin against
5:49:42 PM Devin Doyle for
5:49:48 PM Daniela Levine-Cava for
5:49:54 PM John Hedrick waives in opposition
5:50:06 PM Heather James against
5:50:16 PM Senator Richter recognized to close on SB 318
5:50:46 PM Roll call on CS/SB 318
5:51:47 PM CS/SB 318 reported favorably
5:52:01 PM Meeting adjourned