Tab 1SB 1888 by **Garcia**; (Similar to H 01133) Energy Security and Disaster Resilience Pilot Program

The Florida Senate

COMMITTEE MEETING EXPANDED AGENDA

COMMUNICATIONS, ENERGY, AND PUBLIC UTILITIES Senator Bean, Chair Senator Montford, Vice Chair

			Sen		
	MEETING DATE: Tuesday, February 6, 2018 TIME: 2:00—3:30 p.m. PLACE: 301 Senate Office Building				
MEMBERS: Senator Bean, Chair; Senator Montford, Vice Chair; Senators Broxson, Campbell, Grimsley, S and Young					n, Campbell, Grimsley, Stargel,
TAB	BILL NO. and INTR	ODUCER		BILL DESCRIPTION and SENATE COMMITTEE ACTIONS	COMMITTEE ACTION
1	SB 1888 Garcia (Similar H 1133)		Program Departr providin relating systems	Security and Disaster Resilience Pilot n; Creating the pilot program within the nent of Agriculture and Consumer Services; ng for the issuance of grants to offset costs to certain onsite solar energy storage s for certain facilities located in areas of critical oncern, etc. 02/06/2018 Favorable	Favorable Yeas 6 Nays 0
AB	OFFICE and APPOIN	IMENT (HOME	CITY)	FOR TERM ENDING	COMMITTEE ACTION
	Senate Confirmation named executive appo			ring will be held for consideration of the below- indicated.	
	Florida Public Servic	e Commission			
2	Clark, Gary F. (Cl	hipley)		01/01/2019	Recommend Confirm Yeas 4 Nays 0
3	Graham, Art (Jac	ksonville Beach)	01/01/2022	Recommend Confirm Yeas 5 Nays 0
				BILL DESCRIPTION and	

SENATE COMMITTEE ACTIONS

Other Related Meeting Documents

BILL NO. and INTRODUCER

TAB

COMMITTEE ACTION

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.)

Prepare	ed By: The Prof	essional S	Staff of the Comm	nittee on Communic	cations, Energy, a	and Public Utilities
BILL:	SB 1888					
INTRODUCER: Senator Garcia						
SUBJECT:	Energy Sec	urity and	l Disaster Resil	ience Pilot Progr	am	
DATE:	February 5,	2018	REVISED:			
ANAL	YST	STAF	F DIRECTOR	REFERENCE		ACTION
. Wiehle		Caldw	vell	CU	Favorable	
				AEN		
j.				AP		

I. Summary:

SB 1888 creates an energy security and disaster resilience pilot program within the Department of Agriculture and Consumer Services (DACS or the department) to: demonstrate the effectiveness of distributed energy generation and energy storage technologies to provide for the energy needs of critical disaster resilience facilities located in areas of critical state concern during a natural disaster or declared state of emergency; and study and assess the benefits of grants for such technologies.

DACS must establish and issue grants to offset costs for the purchase or lease and installation of onsite solar energy storage systems placed into service after January 1, 2018, to serve critical disaster resilience facilities located in areas of critical state concern. (It appears that the grants are to offset the full costs of these systems.) Grants are to be issued to eligible applicants on a first-come, first-served basis. DACS must adopt necessary rules by December 31, 2018.

Subject to legislative appropriation and allocation of funds by DACS, the Florida Solar Energy Center (FSEC) is to conduct a study on the benefits of using solar energy storage technologies and other renewable energy generation and storage technologies. The study is to include an assessment of the benefits provided by solar energy storage technologies pursuant to the pilot program. It also must include specified findings and recommendations. The FSEC must publish the results of the study and submit copies to the Governor, the President, the Speaker, and the Commissioner of Agriculture by October 1, 2019.

The section and the pilot project expire on July 1, 2020.

The bill appropriates, for the 2018-2019 fiscal year, \$10 million in nonrecurring funds from the General Revenue Fund to DACS for the purpose of funding the energy security and disaster resilience pilot program.

This bill takes effect July 1, 2018.

II. Present Situation:

Section 570.67, F.S., creates the Office of Energy within the department. The duties of the office include, but are not limited to, administering and enforcing parts II and III of chapter 377, the rules adopted under those parts. This office previously has administered grant and rebate programs relating to renewable energy.

Section 377.705, F.S., provides for the FSEC, which is to: develop and adopt standards for solar energy systems manufactured or sold in this state; establish criteria for testing performance of solar energy systems and shall maintain the necessary capability for testing or evaluating performance of solar energy systems; and test all solar energy systems manufactured or sold in the state.

According to information provided by DACS, the department utilized American Recovery and Reinvestment Act of 2009 funds to implement the SunSmart Schools Emergency Shelter (E-Shelter) program. The E-Shelter program installed more than one megawatt of solar power across Florida. These systems provide power to critical loads during emergencies, while offsetting electrical costs during normal operation. With additional funds from utilities, the program expanded to a total of 118 solar systems at schools, in 46 of Florida's 67 counties. The program ended in 2013. The Florida Solar Energy Center and the department are compiling an after-action report to assess the performance of these systems during Hurricane Irma. The preliminary data indicates that the systems performed as intended.

III. Effect of Proposed Changes:

The bill creates an energy security and disaster resilience pilot program within DACS to:

- Encourage use of and demonstrate the effectiveness of distributed energy generation and energy storage technologies to provide for the energy needs of critical disaster resilience facilities located in areas of critical state concern during a natural disaster or declared state of emergency; and
- Study and assess the benefits of grants for distributed energy generation and energy storage technologies throughout the state to improve the security of the state's energy resources and enhance preparedness and resilience for a natural disaster or declared state of emergency.

The bill provides the following definitions:

- The term "critical disaster resilience facility" includes:
 - Any emergency operations center or other building owned by a state, county, or municipal government agency that is designated as an emergency shelter;
 - Hospitals, assisted living facilities, and other public health facilities needed to provide health services following a natural disaster or declared state of emergency;

- Airports, ports, and other transportation facilities needed for evacuation and critical transportation needs in preparation for and in response to a natural disaster or declared state of emergency;
- Facilities needed for personnel and services related to emergency management, law enforcement, public safety, fire and rescue, and first responders; and
- Buildings housing state, county, or municipal government agencies providing any services relating to disaster preparedness or response.
- The term "area of critical state concern" means an area designated pursuant to s. 380.05, F.S., which states that an area of critical state concern may be designated only for:
 - An area containing, or having a significant impact upon, environmental or natural resources of regional or statewide importance;
 - An area containing, or having a significant impact upon, historical or archaeological resources, sites, or statutorily defined historical or archaeological districts, the private or public development of which would cause substantial deterioration or complete loss of such resources, sites, or districts; and
 - An area having a significant impact upon, or being significantly impacted by, an existing or proposed major public facility or other area of major public investment including, but not limited to, highways, ports, airports, energy facilities, and water management projects.
- The term "onsite solar energy storage system" means a solar photovoltaic generation device or system that is paired with an electricity storage device or system that:
 - Is located on a critical disaster resilience facility's premises and is used primarily to offset all or part of the facility's onsite electrical load, or to provide backup power in the event of a utility electrical outage;
 - Is capable of isolating from the electric grid and operating independently during a utility electrical outage; and
 - Has sufficient battery storage capacity to supply at least 24 hours of backup power for the critical disaster resilience facility's onsite electrical load or at least 5 hours of the facility's average daily usage.

The bill requires DACS to establish and issue grants to offset costs for the purchase or lease and installation of onsite solar energy storage systems placed into service after January 1, 2018, to serve critical disaster resilience facilities located in areas of critical state concern. It appears that the grants are to offset the full costs of these systems.

The bill creates an application process, requires DACS to determine eligibility, limits the total amount of grants to the amount appropriated for the pilot program, and provides that grants are to be issued to eligible applicants on a first-come, first-served basis. DACS is required to adopt rules by December 31, 2018.

Subject to legislative appropriation and allocation of funds by DACS, the Florida Solar Energy Center is to conduct a study on the benefits of using solar energy storage technologies and other renewable energy generation and storage technologies. The study is to include an assessment of the benefits provided by solar energy storage technologies pursuant to the pilot program, based on factors that may include, but are not limited to, public health and safety, disaster preparedness and resilience, capital investment, net customer savings, net utility savings or deferred

investments, net job creation, impact on utility service rates and service quality, and any other factors related to the use of such technologies.

The study must include, but is not limited to:

- Identification of existing policies relating to the use of solar energy storage technologies and other renewable energy generation and storage technologies;
- Recommendations for expanding the pilot program as a statewide energy security and disaster resilience policy; and
- Recommendations for statewide utility planning and procurement policies that will provide net benefits from the use of solar energy storage technologies and other renewable energy generation and storage technologies.

The FSEC must publish the results of the study and submit copied to the Governor, the President of the Senate, the Speaker of the House of Representatives, and the Commissioner of Agriculture by October 1, 2019.

The section and the pilot project expire on July 1, 2020.

The bill appropriates, for the 2018-2019 fiscal year, \$10 million in nonrecurring funds from the General Revenue Fund to DACS for the purpose of funding the energy security and disaster resilience pilot program.

The bill takes effect July 1, 2018.

IV. Constitutional Issues:

A. Municipality/County Mandates Restrictions:

The mandate restrictions do not apply because the bill does not require counties and municipalities to spend funds, reduce counties' or municipalities' ability to raise revenue, or reduce the percentage of state tax shared with counties and municipalities.

B. Public Records/Open Meetings Issues:

None.

C. Trust Funds Restrictions:

None.

V. Fiscal Impact Statement:

A. Tax/Fee Issues:

None.

B. Private Sector Impact:

Installers of onsite solar energy storage systems placed into service after January 1, 2018, to serve critical disaster resilience facilities located in areas of critical state concern whose installations and applications are determined by DACS to be eligible for issuance of a grant while sufficient funds remain available will receive a grant to cover the full costs of the installation.

C. Government Sector Impact:

The department provided the following information.

- The bill will require additional staffing costing \$100,000 in FY 18-19 and FY 19-20. Additionally, it will necessitate a onetime salary expense of \$150,000 in FY 19-20 to pay for the study.
- The grants are payable retroactively for equipment installed as early as January 1, 2018. This would be before the rules are adopted [the deadline is December 31, 2018], which may lead to legal challenges.
- The bill is not clear on whether the funding for the required FSEC research and DACS program administrative costs will be deducted from the \$10 million appropriation.
- From a fiscal perspective, it would be helpful to roll back the expiration date, July 1, 2020, by one day to the close of business June 30, 2020, to align with the last day of the fiscal year.

VI. Technical Deficiencies:

None.

VII. Related Issues:

Purposes of the pilot project

The stated purposes of the "energy security and disaster resilience pilot program" are to:

- Demonstrate the effectiveness of distributed energy generation and energy storage technologies to provide for the energy needs of critical disaster resilience facilities located in areas of critical state concern *during a natural disaster or declared state of emergency*; and
- Analyze and study the benefits of grants for distributed energy generation and energy storage technologies throughout the state *to improve the security of the state's energy resources and enhance preparedness and resilience for a natural disaster or declared state of emergency* (Lines 28-39).

However, neither the apparent timeline for the grant process nor the specified elements of the study appear to be aimed at assessing benefits relating to preparedness and resilience for a natural disaster or declared state of emergency.

The timeline elements contained in the bill are as follows.

• The bill takes effect July 1, 2018.

- DACS has until December 31, 2018, to adopt rules to administer the grants (lines 78-82), including a provision specifying a date on which grant applications may be submitted to the department (line 87) and one setting forth the criteria for determining grant eligibility (lines 93-95).
- Grants are to be issued to applicants on a first-come, first-served basis, determined by the date the application is received (lines 97-99), for as long as funds remain.
- However, grants can be issued for "systems placed into service after January 1, 2018" (lines 78-82).
- The FSEC must conduct its study and publish the report by October 1, 2019 (lines 131-135).
- The section and the program expire on July 1, 2020 (lines 136-137).

Based on these timeline elements, there is significant uncertainty as to when installers may begin their projects.

- Grants can be paid for systems placed into service basically six months before the bill takes effect and a year before rules must be adopted. Some installers may opt to complete their installations and place their systems into service very early in this period.
- However, the rules determine the criteria or standards for grant eligibility and the date upon which an application may be filed (with the date of filing an application determining the applicant's priority in line for receiving a grant). Anyone who installs a system prior to the determination of eligibility standards runs a significant risk of incurring costs for an ineligible system. So many installers may wait until after the requisite rules are adopted, which could be as late as December 31, 2018 (plus however much time is required to complete the prescribed application form and file it on the designated date). Anyone who waits too long to put in place crucial elements of an installation project necessary to have a complete application, potentially including procurement of a site, risks not being able to file a complete application and missing out on funding.

It appears reasonable to assume most applicants will wait to make any commitments on installations until rules are completed and adopted, but will try to act as soon as possible thereafter. Assuming the majority of installation work begins shortly after December 31, 2018, and assuming it takes 4-6 months to complete the installation, these systems will be placed into service between approximately May 1, 2019 – July 1, 2019.

The FSEC's report deadline is October 1, 2019. Assuming that there is a significant amount of data, an amount sufficient to provide for meaningful analysis and conclusions, the gathering and analysis of this data during the study and the drafting of the report may take 3-6 months, which would require that the study begin between approximately April 1, 2019 – July 1, 2019.

Although this analysis is based on significant assumptions, it illustrates how small the likelihood is that there will be actual pilot program experience involving the use of distributed energy generation and energy storage technology systems to provide for the energy needs of critical disaster resilience facilities located in areas of critical state concern during a natural disaster or declared state of emergency to provide any sufficient level of data for a study and report on the effectiveness of these systems.

Additionally, the bill states that the FSEC study is to:

- Be "on the benefits of using solar energy storage technologies and other renewable energy generation and storage technologies,"
- Include an assessment of the benefits provided by solar energy storage technologies pursuant to the pilot program, based on factors that may include "public health and safety, disaster preparedness and resilience, capital investment, net customer savings, net utility savings or deferred investments, net job creation, impact on utility service rates and service quality, and any other factors related to the use of such technologies," and
- Include: identification of existing policies relating to the use of solar energy storage technologies and other renewable energy generation and storage technologies; recommendations for expanding the pilot program as a statewide energy security and disaster resilience policy; and recommendations for statewide utility planning and procurement policies that will provide net benefits from the use of solar energy storage technologies and other renewable energy generation and storage technologies (lines 108-130).

Very little of the criteria has any express relevance to the stated purposes of preparedness and resilience for a natural disaster or declared state of emergency.

An additional factor, noted by the department, is that the bill provides that grants for acquisition and installation of these systems will be solely on a first-come-first-served basis, which does not provide for any geographic dispersion of facilities throughout the state to increase the chances that one or more of them may experience emergency operating conditions during the relatively short demonstration period.

The department also states concerns about the timing of the FSEC study and report, noting that delaying the report until after the completion of the pilot program on July 1, 2020, may allow the FSEC to provide more comprehensive information on the benefits of the program.

Retroactivity

It is unclear why the bill provides for issuance of grants to offset costs for the purchase or lease and installation of onsite solar energy storage systems placed into service after January 1, 2018, a considerable length of time before the adoption of rules that will determine and set forth the basis for establishing grant eligibility, the forms required to obtain a grant, the required documentation, and procedures and guidelines for obtaining a grant. As noted by DACS, this may lead to litigation. It also may create circumstances where some would-be applicants do significant work and incur significant expense only to find that their systems do not comply with the eligibility standards.

VIII. Statutes Affected:

The bill creates section 377.817 of the Florida Statutes.

IX. **Additional Information:**

Committee Substitute – Statement of Changes: (Summarizing differences between the Committee Substitute and the prior version of the bill.) Α.

None.

Β. Amendments:

None.

This Senate Bill Analysis does not reflect the intent or official position of the bill's introducer or the Florida Senate.

SB 1888

By Senator Garcia

36-01553-18 20181888 1 A bill to be entitled 2 An act relating to the energy security and disaster resilience pilot program; creating s. 377.817, F.S.; 3 creating the pilot program within the Department of Agriculture and Consumer Services; specifying program purpose; defining terms; providing for the issuance of grants to offset costs relating to certain onsite 8 solar energy storage systems for certain facilities ç located in areas of critical state concern; providing 10 policies and procedures for grant application 11 approval; directing the department to adopt rules by a 12 specified date; directing the Florida Solar Energy 13 Center to conduct a specified study under certain 14 circumstances and to publish and provide copies of the 15 study to the Governor, the Legislature, and the 16 Commissioner of Agriculture by a specified date; 17 providing an expiration date; providing an 18 appropriation; providing an effective date. 19 20 Be It Enacted by the Legislature of the State of Florida: 21 22 Section 1. Section 377.817, Florida Statutes, is created to 23 read: 24 377.817 Energy security and disaster resilience pilot 25 program.-26 (1) PROGRAM CREATION AND PURPOSE.-There is created within 27 the Department of Agriculture and Consumer Services an energy 28 security and disaster resilience pilot program. The purpose of 29 the pilot program is to: Page 1 of 5

CODING: Words stricken are deletions; words underlined are additions.

	36-01553-18 20181888
30	(a) Encourage use of and demonstrate the effectiveness of
31	distributed energy generation and energy storage technologies to
32	provide for the energy needs of critical disaster resilience
33	facilities located in areas of critical state concern during a
34	natural disaster or declared state of emergency; and
35	(b) Study and assess the benefits of grants for distributed
36	energy generation and energy storage technologies throughout the
37	state to improve the security of the state's energy resources
38	and enhance preparedness and resilience for a natural disaster
39	or declared state of emergency.
40	(2) DEFINITIONSAs used in this section, the term:
41	(a) "Area of critical state concern" means an area
42	designated pursuant to s. 380.05.
43	(b) "Critical disaster resilience facility" means:
44	1. Any emergency operations center or other building owned
45	by a state, county, or municipal government agency that is
46	designated by appropriate authorities as a place of community
47	refuge made available to provide temporary shelter and housing
48	to citizens during any natural disaster or declared state of
49	emergency;
50	2. Hospitals, assisted living facilities, and other public
51	health facilities needed to provide health services following a
52	natural disaster or declared state of emergency;
53	3. Airports, ports, and other transportation facilities
54	needed for evacuation and critical transportation needs in
55	preparation for and in response to a natural disaster or
56	declared state of emergency;
57	4. Facilities needed for personnel and services related to
58	emergency management, law enforcement, public safety, fire and
50	emergency memagement, raw enroreement, public sarety, file and
	Page 2 of 5
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SB 1888

	36-01553-18 20181888_
59	rescue, and first responders; and
60	5. Buildings housing state, county, or municipal government
61	agencies providing any services relating to disaster
62	preparedness or response.
63	(c) "Department" means the Department of Agriculture and
64	Consumer Services.
65	(d) "Onsite solar energy storage system" means a solar
66	photovoltaic generation device or system that is paired with an
67	electricity storage device or system that:
68	1. Is located on a critical disaster resilience facility's
69	premises and is used primarily to offset all or part of the
70	facility's onsite electrical load, or to provide backup power in
71	the event of a utility electrical outage;
72	2. Is capable of isolating from the electric grid and
73	operating independently during a utility electrical outage; and
74	3. Has sufficient battery storage capacity to supply at
75	least 24 hours of backup power for the critical disaster
76	resilience facility's onsite electrical load or at least 5 hours
77	of the facility's average daily usage.
78	(3) GRANTSThe department shall establish and issue grants
79	to offset costs for the purchase or lease and installation of
80	onsite solar energy storage systems placed into service after
81	January 1, 2018, to serve critical disaster resilience
82	facilities located in areas of critical state concern.
83	(4) APPLICATION PROCESS
84	(a) An applicant seeking a grant, including an owner or
85	installer of the onsite solar energy storage system applying on
86	behalf of a critical disaster resilience facility, shall submit
87	an application to the department by a specified date as
	Page 3 of 5

CODING: Words stricken are deletions; words <u>underlined</u> are additions.

	36-01553-18 20181888_
88	determined by department rule. The application shall require a
89	complete description of all eligible costs, proof of purchase or
90	lease of the onsite solar energy storage system for which the
91	applicant is seeking a grant, and any other information deemed
92	necessary by the department.
93	(b) The department shall determine the grant eligibility of
94	each applicant in accordance with the requirements of this
95	section and department rule. The total amount of grants issued
96	to eligible applicants may not exceed the amount appropriated
97	for the pilot program. Grants shall be issued to eligible
98	applicants on a first-come, first-served basis, determined by
99	the date the application is received, until all appropriated
100	funds are expended or the program ends, whichever occurs first.
101	(5) RULESThe department shall adopt rules to administer
102	this section by December 31, 2018, including rules relating to
103	the forms required to obtain a grant under this section, the
104	required documentation and basis for establishing grant
105	eligibility, and procedures and guidelines for obtaining a
106	grant.
107	(6) ENERGY STORAGE AND RENEWABLE ENERGY RESOURCES STUDY
108	(a) The Florida Solar Energy Center shall, subject to
109	legislative appropriation and allocation of funds by the
110	department, conduct a study on the benefits of using solar
111	energy storage technologies and other renewable energy
112	generation and storage technologies.
113	(b) The study must include an assessment of the benefits
114	provided by solar energy storage technologies pursuant to the
115	pilot program, based on factors that may include, but are not
116	limited to, public health and safety, disaster preparedness and
1	

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	36-01553-18 20181888_
117	resilience, capital investment, net customer savings, net
118	utility savings or deferred investments, net job creation,
119	impact on utility service rates and service quality, and any
120	other factors related to the use of such technologies.
121	(c) The study shall include, but is not limited to:
122	1. Identification of existing policies relating to the use
123	of solar energy storage technologies and other renewable energy
124	generation and storage technologies;
125	2. Recommendations for expanding the pilot program as a
126	statewide energy security and disaster resilience policy; and
127	3. Recommendations for statewide utility planning and
128	procurement policies that will provide net benefits from the use
129	of solar energy storage technologies and other renewable energy
130	generation and storage technologies.
131	(d) By October 1, 2019, the Florida Solar Energy Center
132	shall publish the results of the study and submit copies of the
133	study to the Governor, the President of the Senate, the Speaker
134	of the House of Representatives, and the Commissioner of
135	Agriculture.
136	(7) PILOT PROGRAM EXPIRATION This section expires on July
137	<u>1, 2020.</u>
138	Section 2. For the 2018-2019 fiscal year, the sum of \$10
139	million in nonrecurring funds is appropriated from the General
140	Revenue Fund to the Department of Agriculture and Consumer
141	Services for the purpose of funding the energy security and
142	disaster resilience pilot program created by this act.
143	Section 3. This act shall take effect July 1, 2018.

Page 5 of 5 CODING: Words stricken are deletions; words underlined are additions.



The Florida Senate

State Senator René García ^{36th} District Please reply to:

□ District Office:

1490 West 68 Street Suite # 201 Hialeah, FL. 33014 Phone# (305) 364-3100

January 23rd, 2018

The Honorable Aaron Bean Chair, Communications, Energy, and Public Utlities 225 Knott Building 404 S. Monroe Street Tallahassee, FL 32399-1100

Dear Senator Bean,

Please have this letter serve as my formal request to have **SB 1888: Energy Security and Disaster Resilience Pilot Program** be heard during the next scheduled Chair, Communications, Energy, and Public Utilities Committee Meeting. Should you have any questions or concerns, please do not hesitate to contact my office.

Sincerely,

State Senator René García District 36

CC: Diana Caldwell Tamra Redig

THE FLORIDA SENATE
APPEARANCE RECORD
2-7-18 (Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting) <u>SB1888</u> <u>Bill Number (if applicable)</u>
Topic Energy Security & Digdster Resilience Amendment Barcode (if applicable)
Name Amy Datz
Job Title Self
Address 1130 Crestule Aven Phone 322-7529
Street Jallahassee FC 32303 Email Mac. com
City State Zip Speaking: For Against Information Waive Speaking: In Support Against (The Chair will read this information into the record.) In Support
Representing Environ mental Caucus of Florida.
Appearing at request of Chair: Yes INO Lobbyist registered with Legislature: Yes INO
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)

Feb. 6, 2018		1888
Meeting Date		Bill Number (if applicable)
Topic Energy, Securit	y and Disaster Resilience	Amendment Barcode (if applicable)
Name David Cullen		
Job Title		
Address 1674 Univers	sity Pkwy #296	Phone 941-323-2404
Street	<u>Manimani and an </u>	
Sarasota	FL	34243 Email cullenasea@aol.com
City	State	Zip
Speaking: 🖌 For	Against Information	Waive Speaking: In Support Against (The Chair will read this information into the record.)
Representing Sier	ra Club Florida	
Appearing at request o	of Chair: Yes 🗸 No	Lobbyist registered with Legislature: 🗹 Yes 🗌 No
		ny, time may not permit all persons wishing to speak to be heard at this r remarks so that as many persons as possible can be heard.

This form is part of the public record for this meeting.

test state to the Florida Senate	
2/6/18 (Deliver BOTH copies of this form to the Senator or Senate Professional	
Meeting Date	Bill Number (if applicable)
Topic	Amendment Barcode (if applicable)
Name Maggie Clurk	_
Job Title Soler Energy Industries Asso	recton
Address 119 S. Minner St	Phone 850.205-9000
Talchissee FL 32312	Email
Speaking: K For Against Information Waive S	Speaking: In Support Against air will read this information into the record.)
Representing Solar Energy Industries	Associution
	tered 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)

Meeting Date	Pill Number (if emplicable)
	Bill Number (if applicable)
Topic <u>hergy</u> Stora 20	Amendment Barcode (if applicable)
Name Susan Blickman	_
Job Title I OVICE DIVECTOR	
Address DOBOX 20	Phone
Street Indian Locks Rch	Email
City State Zip	
Speaking: For Against Information Waive S	peaking:
	air will read this information into the record.)
Representing Southern Alliane for	Clean freig
Appearing at request of Chair: Yes No Lobbyist regis	
Appearing at request of Chair: Yes No Lobbyist regis	tered 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)

	10-0
Meeting Date	Bill Number (if applicable)
Topic <u>Sular</u> /Grid Resilience Name <u>Sean Stafford</u>	Amendment Barcode (if applicable)
Job Title	
Address 115 F. Parli An	Phone
	Email
City State Zip	
Speaking: For Against Information Waive Speaking: (The Chair	eaking: In Support Against will read this information into the record.)
Representing The Nature Cunservancy	
Appearing at request of Chair: Yes No Lobbyist register	red 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)

1888

The Florida Senate Committee Notice Of Hearing

IN THE FLORIDA SENATE TALLAHASSEE, FLORIDA

IN RE: Executive Appointment of

Gary F. Clark

Florida Public Service Commission

NOTICE OF HEARING

TO: Mr. Gary F. Clark

YOU ARE HEREBY NOTIFIED that the Committee on Communications, Energy, and Public Utilities of the Florida Senate will conduct a hearing on your executive appointment on Tuesday, February 6, 2018, in 301 Senate Office Building, commencing at 2:00 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 1st day of February, 2018

Committee on Communications, Energy, and Public Utilities

ara Blan

Senator Aaron Bean As Chair and by authority of the committee

cc: Members, Committee on Communications, Energy, and Public Utilities Office of the Sergeant at Arms

CERTIFICATION

STATE OF FLORIDA	1.
COUNTY OF	Leon

Before me, the undersigned Notary Public of Florida, personally appeared

who, after being duty sworn, say: (1) that he/she has carefully and personally prepared or read the answers to the foregoing questions; (2) that the information contained in said answers is complete and true; and (3) that he/she will, as an appointee, fully support the Constitutions of the United States and of the State of Florida.

Signature of Applicant-Affiant

Sworn to and subscribed before me this <u>1</u> St day of <u>Movember</u> , 20 <u>17</u> .
Carlotta & Stauten Signature of Notary Public-State of Florida
CARLOTTA S. STAUFFER Commission # FF 905534 Expires November 30, 2019
(Print, Type, or Stamp Commissioned Name of Notary Public)
My commission expires:

Personally Known 🗹 OR Produced Identification 🗌

Type of Identification Produced ____

(seal)



obcopied or chemically altered, the word of OID? will ann



RICK SCOTT GOVERNOR

RECEIVED 17 SEP 20 AM 9:39 DIVISION OF ELECTIONS SECRETARY OF STATE

September 15, 2017

Secretary Kenneth W. Detzner Secretary 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 350.01, Florida Statutes:

Mr. Gary F. Clark 1670 Peel Road Chipley, Florida 32428

as a member of the Florida Public Service Commission, filling a vacant seat, subject to confirmation by the Senate. This appointment is effective September 15, 2017, for a term ending January 1, 2019.

Sincerely,

Rick Scott Governor

RS/kb

...

OATH OF OFFICE

(Art. II. § 5(b), Fla. Const.)

STATE OF FLORIDA

17 OCT 20 PM 1:43

RECEIVED

County of Leon

DIVISICA 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

Florida Public Service Commissioner (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 5th day of OCtober, 201.
Carlotta & Stanffen
Signuture of the er CARLOTTES STATEPER of Notary Public Commission # FF 905534 Expires November 30, 2019
Print, Type, chotamp Commissionen Manneso Notary Public
Personally Known 🗹 OR Produced Identification 🗌
Type of Identification Produced

ACCEPTANCE

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

Office

K Home Mailing Address:

1670 Peel Ad

Street or Post Office Box

<u>Chipley</u> Fl. 32428 City, State, Zip Code

Gary F. Clark Print Name 27 F Clark

Signatur

DS-DE 56 (Rev. 11/16)

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:	Gary F. Clark
ANSWER:	Pursuant to §90.605(1), <i>Florida Statutes</i> : "The witness's answer shall be noted in the record."
COMMITTEE NAME:	Communications, Energy, and Public Utilities
DATE:	February 6, 2018

File 1 copy with the Secretary of the Senate

S-002 (01/12/2015)

	RIDA SENATE
	NCE RECORD r or Senate Professional Staff conducting the meeting)
Meeting Date	Bill Number (if applicable)
Topic <u>Confirmation</u> PSC Name <u>Gary Clark</u>	Amendment Barcode (if applicable)
Name Gary Clark	
Job Title Commissione	
Address 2540 Shuman- 2 Oaks DILd	Phone 850 - 326 03/8
Street <u>Fallcheste</u> City State	J2455 Email gearkepse.skte.fl.us
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: XYes No
While it is a Senate tradition to encourage public testimony, time meeting. Those who do speak may be asked to limit their remark	e may not permit all persons wishing to speak to be heard at this rks so that as many persons as possible can be heard.

.

This form is part of the public record for this meeting.

The Florida Senate COMMITTEE RECOMMENDATION ON EXECUTIVE APPOINTMENT

COMMITTEE:Committee on Communications, Energy, and Public UtilitiesMEETING DATE:Tuesday, February 6, 2018TIME:2:00—3:30 p.m.PLACE:301 Senate Office Building

TO: The Honorable Joe Negron, President

FROM: Committee on Communications, Energy, and Public Utilities

The committee was referred the following executive appointment subject to confirmation by the Senate:

Office: Florida Public Service Commission

Appointee: Clark, Gary F.

Term: 9/15/2017-1/1/2019

After inquiry and due consideration, the committee recommends that the Senate **confirm** the aforesaid executive appointment made by the Governor.

The Florida Senate Committee Notice Of Hearing

IN THE FLORIDA SENATE TALLAHASSEE, FLORIDA

IN RE: Executive Appointment of

Art Graham

Florida Public Service Commission

NOTICE OF HEARING

TO: Commissioner Art Graham

YOU ARE HEREBY NOTIFIED that the Committee on Communications, Energy, and Public Utilities of the Florida Senate will conduct a hearing on your executive appointment on Tuesday, February 6, 2018, in 301 Senate Office Building, commencing at 2:00 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 1st day of February, 2018

Committee on Communications, Energy, and Public Utilities

ron Blan

Senator Aaron Bean As Chair and by authority of the committee

cc: Members, Committee on Communications, Energy, and Public Utilities Office of the Sergeant at Arms

CERTIFICATION

STATE OF FLORIDA COUNTY OF Leon

Before me, the undersigned Notary Public of Florida, personally appeared Arthur Graham

who, after being duty sworn, say: (1) that he/she has carefully and personally prepared or read the answers to the foregoing questions; (2) that the information contained in said answers is complete and true; and (3) that he/she will, as an appointee, fully support the Constitutions of the United States and of the State of Florida.

Signature of Applicant-Affiant

Sworn to and subscribed before me this <u>3rel</u> day of <u>Detober</u>, 2017.

Signature of Notary Public-State of Florida

(Print, Type, or Stamp Commissioned Name of Notary Public)

My commission expires: 6/23/18

Personally Known V OR Produced Identification

Type of Identification Produced ______



(seal)





RICK SCOTT GOVERNOR

RECEIVED 17 SEP 20 AM 9: 39 DIVISION OF ELECTIONS SECRETARY OF STATE

September 15, 2017

Secretary Kenneth W. Detzner Secretary 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 350.01, Florida Statutes:

Mr. Arthur L. Graham 602 Third Avenue North Jacksonville Beach, Florida 32250

as a member of the Florida Public Service Commission, subject to confirmation by the Senate. This appointment is effective January 2, 2018, for a term ending January 1, 2022.

Sincerely,

Rick Scoft Governor

RS/kb

OATH OF OFFICE

(Art, II. § 5(b), Fla. Const.)

STATE OF FLORIDA

County of Leon

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

Florida Public Service Commissioner

(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 3rd day of October . 2017. Signature of Officer Administering Oath or of Notary Public Print, Type, or Stamp Commissioned Name of Notary Public NANCY ALLEN HAFIRISON Personally Known \square OR Produced Identification \square MY COMMISSION # FF 135349 EXPIRES; June 23, 2018 Type of Identification Produced <u>h/c</u> moded Thru Pichard Insurance -

ACCEPTANCE

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

Mailing Address: I Home Office

602 3rd Avenue North

Street or Post Office Box

Jacksonville Beach, FL 32250

City, State, Zip Code

		 -
Print Name		
and		
Signature	 	

Art Graham

DS-DE 56 (Rev. 11/16)

RECEIVED DEPARTMENT OF STATE 17 OCT 16 AM 9: 27 DIVISION OF ELECTIONS TALLAHASSEE, FL

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:	Art Graham
ANSWER:	"Yes, I do."
	Pursuant to §90.605(1), <i>Florida Statutes</i> : "The witness's answer shall be noted in the record."
COMMITTEE NAME:	Communications, Energy, and Public Utilities
DATE:	February 6, 2018

File 1 copy with the Secretary of the Senate

S-002 (01/12/2015)

	The Flor	IDA SENATE		
2/6/18 (Delive	APPEARAN er BOTH copies of this form to the Senator of			g)
* Meeting Date				Bill Number (if applicable)
Topic <u>PSC</u>		,	Ame	ndment Barcode (if applicable,
Name Art	Graham			
Job Title	nmissioner		<u>,</u>	
Address <u>2540</u> Street	Shudmar Oak	Blad	Phone (904)	249-4888
Tally	F-L	32399	Email	
City Speaking: For Ag	State	کرہ Waive S (The Chai		Support Against mation into the record.)
Representing	Art Graham			
Appearing at request of Ch	nair: 🖉 Yes 🗌 No	Lobbyist registe	ered with Legisla	ture: Yes No
While it is a Senate tradition to e meeting. Those who do speak n	encourage public testimony, time nay be asked to limit their remark	may not permit all s so that as many	persons wishing to persons as possible	speak to be heard at this can be heard.

This form is part of the public record for this meeting.

Public Service Commission Report Card: 7/1/2010 - 12/31/17

	<u>2010</u>	<u>2018</u>	
Public Service Commission Budget	\$28 million	\$24.6 million	- # 3.4 million
Public Service Commission Headcount	323	267	- 56 FTE
Average residential electric bill	\$102.87/mo	\$102.42/mo	- A. 45/
Average residential electric bill (with storm surcharges)	\$103.20/mo	\$105.30/mo	\$ 2.10/100

	Requested by utilities	Granted <u>by PSC</u>	Percent granted
Utility rate case decisions	\$5.03 billion	\$2.93 billion	58%

	PSC dockets	Appeals	Overturned
PSC dockets and appeals	2,131	42	3



Office of Chairman Art Graham FLORIDA PUBLIC SERVICE COMMISSION

The Florida Senate COMMITTEE RECOMMENDATION ON EXECUTIVE APPOINTMENT

COMMITTEE:Committee on Communications, Energy, and Public UtilitiesMEETING DATE:Tuesday, February 6, 2018TIME:2:00—3:30 p.m.PLACE:301 Senate Office Building

TO: The Honorable Joe Negron, President

FROM: Committee on Communications, Energy, and Public Utilities

The committee was referred the following executive appointment subject to confirmation by the Senate:

Office: Florida Public Service Commission

Appointee: Graham, Art

Term: 1/2/2018-1/1/2022

After inquiry and due consideration, the committee recommends that the Senate **confirm** the aforesaid executive appointment made by the Governor.



THE FLORIDA SENATE

Tallahassee, Florida 32399-1100

COMMITTEES: Commerce and Tourism, Chair Communications, Energy, and Public Utilities, Vice Chair Appropriations Appropriations Subcommittee on Pre-K - 12 Education Health Policy Rules

SENATOR BILL MONTFORD 3rd District

February 5, 2018

Senator Aaron Bean, Chair Senate Committee on Communications, Energy, and **Public Utilities** 225 Knott Building Tallahassee, Florida 32399-1100

Dear Senator Bean:

I respectfully request to be excused from the Senate Committee on Communications, Energy, and Public Utilities meeting scheduled for February 6, 2018.

Your consideration is greatly appreciated.

Sincerely,

Sill Montford

William "Bill" Montford State Senate, District 3

WM/md

Cc: Diana Caldwell, Staff Director



REPLY TO:

□ 410 Senate Office Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5003 □ 20 East Washington Street, Suite D, Quincy, Florida 32351 (850) 627-9100 105 North Jefferson Street, Perry, Florida 32347 (850) 223-0902

Senate's Website: www.flsenate.gov

JOE NEGRON President of the Senate

ANITERE FLORES President Pro Tempore

CourtSmart Tag Report

Room: SB 301 Case No.: Type: Caption: Communications, Energy, and Public Utilities Committee Judge: Started: 2/6/2018 2:02:29 PM Ends: 2/6/2018 2:39:25 PM Length: 00:36:57 2:02:35 PM Meeting called to order 2:03:27 PM Chair comments on committee meeting 2:03:33 PM Vice Chair Montford is excused 2:03:45 PM Roll Call - Quorum is present Chair, comments regarding meeting 2:03:54 PM Tab 1 - SB 1888 by Sen. Garcia - Energy Security and Disaster Resilience Pilot Program 2:04:18 PM 2:04:43 PM Questions? Sen. Young, what does this bill do? 2:04:52 PM Response by Sen. Garcia 2:04:57 PM Appearance Cards to speak against? None 2:05:42 PM 2:06:40 PM Amy Datz, Environmental Caucus of Florida, speaking for the bill 2:07:00 PM David Cullen, Sierra Club Florida, waives in support Maggie Clark, Solar Industries Association, speaking for the bill 2:07:49 PM 2:09:15 PM Sean Stafford, Native Conservancy waives support 2:09:35 PM Susan Glickman, Fla. Director, Southern Alliance for Clear Fueling, speaking for the bill 2:10:38 PM Questions and debate? None. 2:10:45 PM Sen. Garcia to close 2:11:40 PM Roll call - SB 1888 - Favorable Chair, Appointments to PSC 2:12:03 PM Art Graham sworn in as witness 2:12:27 PM 2:12:48 PM Chair, PSC report card? Art Graham addresses committee 2:13:13 PM 2:15:26 PM Questions? Chair, recovery clause question? 2:15:45 PM 2:16:00 PM Art Graham response 2:16:23 PM Chair, what is the greatest challenge? 2:16:31 PM Art Graham in response 2:16:48 PM Chair, what are your challenges? 2:16:58 PM Art Graham in response 2:17:41 PM Chair, do you think there is a balance between Solar and the grid? 2:17:52 PM Art Graham in response 2:19:19 PM Chair, Future of Florida Power and micro grids and how they would affect the main grid going forward? Art Graham in response 2:19:27 PM Chair, what is the future of energy in Florida? 2:19:54 PM 2:20:02 PM Art Graham in response 2:21:13 PM Chair, what is the future of water and wastewater? Art Graham in response 2:21:21 PM 2:22:30 PM Questions? 2:22:54 PM Sen. Broxson, wastewater and problems? Across the state deep-well injections. 2:23:50 PM Art Graham in response Questions? None 2:25:02 PM 2:25:22 PM Motion to recommend for confirmation Art Graham by Sen. Stargel, 2nd by Sen. Campbell and 3rd Sen. Broxson 2:25:35 PM Debate? None 2:25:50 PM Roll Call on Confirmation of Art Graham - Confirmation favorable 2:26:29 PM Gary F. Clark sworn in as witness 2:26:47 PM Remarks by Gary Clark 2:27:48 PM Chair, recovery clauses? 2:28:16 PM Gary Clark in response. Chair, what about fuel diversity? 2:31:04 PM 2:31:11 PM Gary Clark in response 2:32:43 PM Chair, current grids? Solar energy?

- 2:32:53 PM Gary Clark in response
- 2:33:52 PM Chair, bills moving through legislative process and selling back?
- 2:34:10 PM Gary Clark in response
- 2:34:44 PM Chair, what does the future of energy in Florida look like?
- 2:34:55 PM Gary Clark in response
- 2:36:15 PM Questions?
- 2:36:36 PM Chair, thoughts on water storage in Florida?
- **2:36:43 PM** Gary Clark in response
- 2:37:46 PM Additional questions? None
- **2:38:09 PM** Motion by Sen. Campbell to recommend confirmation
- 2:38:10 PM Debate?
- 2:38:15 PM Sen. Stargel compliments for moving forward
- 2:38:25 PM Debate? None
- 2:38:42 PM Roll call for Confirmation of Gary F. Clark Confirmation favorable
- 2:39:00 PM Chair, other business
- 2:39:08 PM Motion by Sen. Grimsley to be shown as voting in favor of Art Graham's confirmation
- 2:39:17 PM Sen. Campbell moves to adjourn