GO Competition ARPA-E Official Registration

Last modified: January 27, 2019

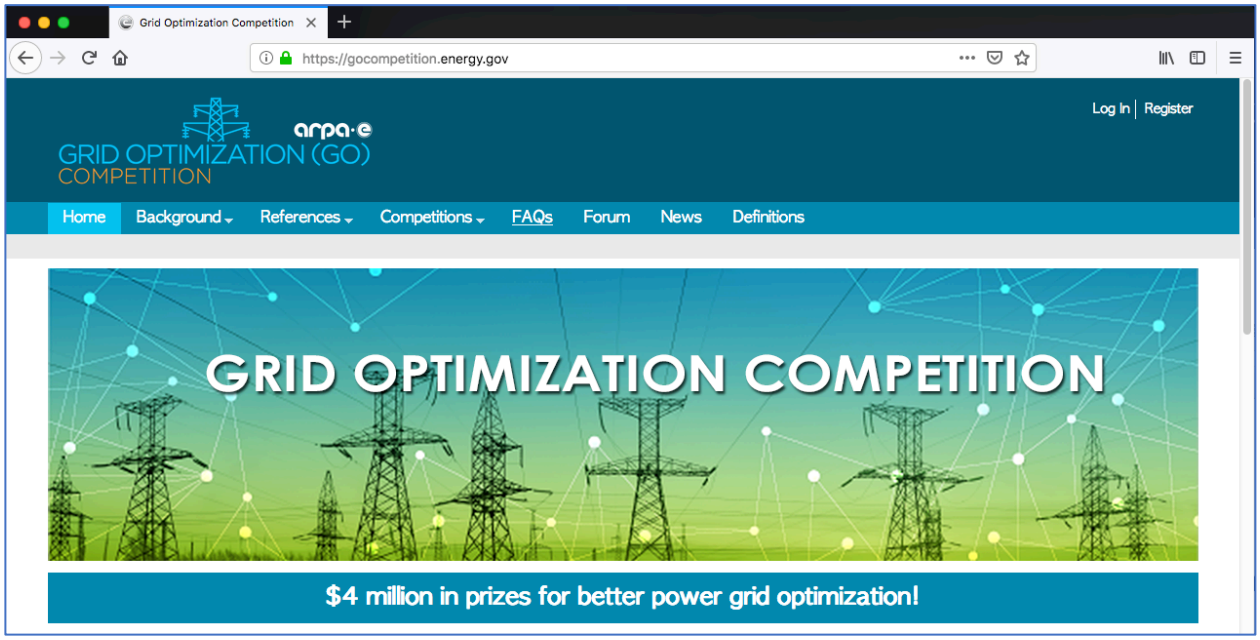
This section of the document describes the **steps needed for an entire team to officially register** with ARPA-E. Part of this official registration process will require access to the https://gocompetition.energy.gov website.

The first section is intended for Entrants (team members) and describes the necessary steps to send their official forms to their Team Leader.

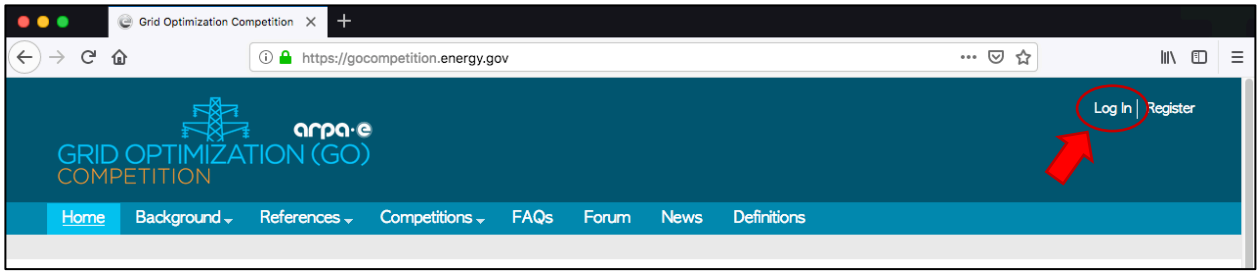
The second section is intended for the Team Leader and describes the necessary steps to send his/her team's official forms to ARPA-E.

Entrant (Team Member) Instructions

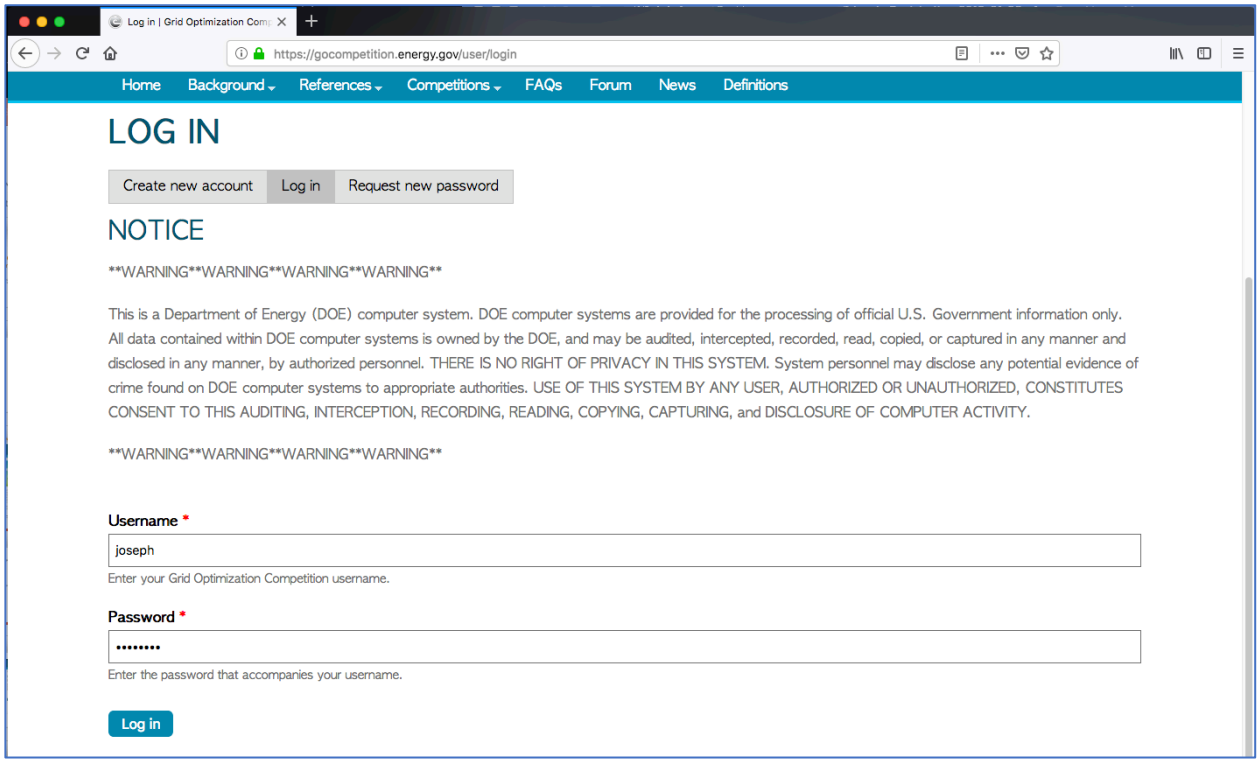
1. Go to the ARPA-E Grid Optimization Competition website at https://gocompetition.energy.gov.



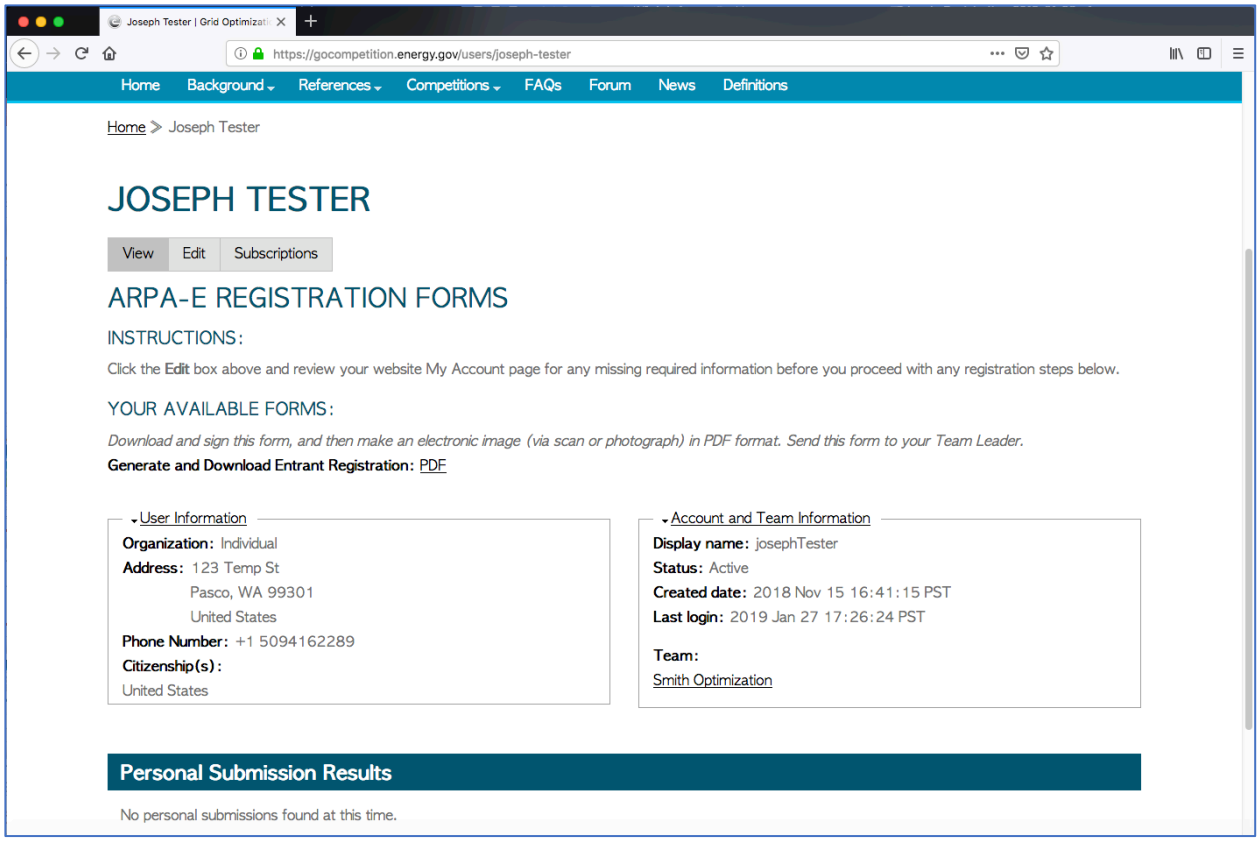
2. In the upper right corner, click on the Log In link.



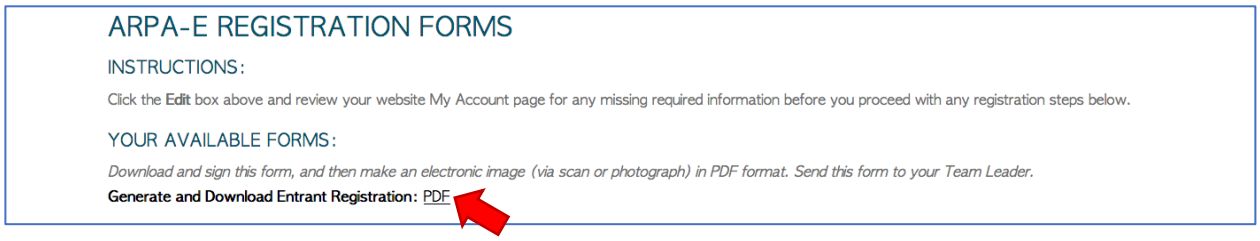
3. Log into your account using your GO Competition website username and password.



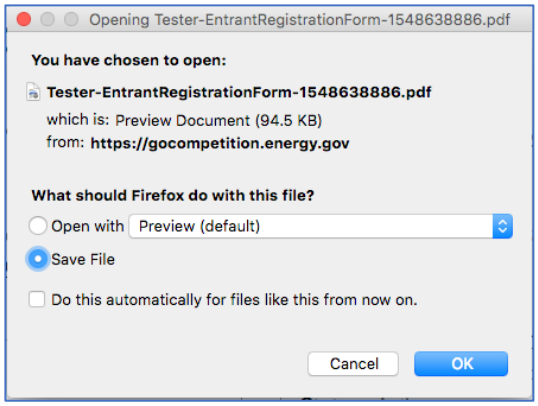
4. You should see your My account page, similar to the image below.



5. Follow the instructions under ARPA-E Registration Forms. This section is located just under your full name and should look similar to the image below.



6. Under "Your Available Forms" section, click on the PDF link. This should prompt a save dialog box, similar to the image below. You can either open the PDF file or save the file to your local system. Select your choice and click the **OK** button. For this exercise, we saved the file to disk locally.



7. Go to the PDF file that you downloaded and open it with a PDF reader; go to the second page. Your file should look similar to the image below.

GRID OPTIMIZATION (GO) COMPETITION

arpa·e

ARPA-E GO Competition Challenge 1 Individual Member Form

Entrant Team Name:	Smith Optimization
Member Name:	Joseph Tester
Member Affiliation:	Individual
Member Citizenship(s) (must list all):	United States
Member Address (optional):	123 Temp St Pasco WA 99301 US
Telephone (optional):	
Cell Phone (optional):	
Email Address:	
Date:	Sunday, January 27, 2019 - 17:28

I certify that, as a Entrant team member of the listed Entrant team named above, I meet all eligibility requirements set forth in the GO Competition Rules (available at https://gocompetition.energy.gov/) and that I will immediately notify my Entrant team lead in writing of any changes to this information in this Individual Member Form.

Individual Member Signature:

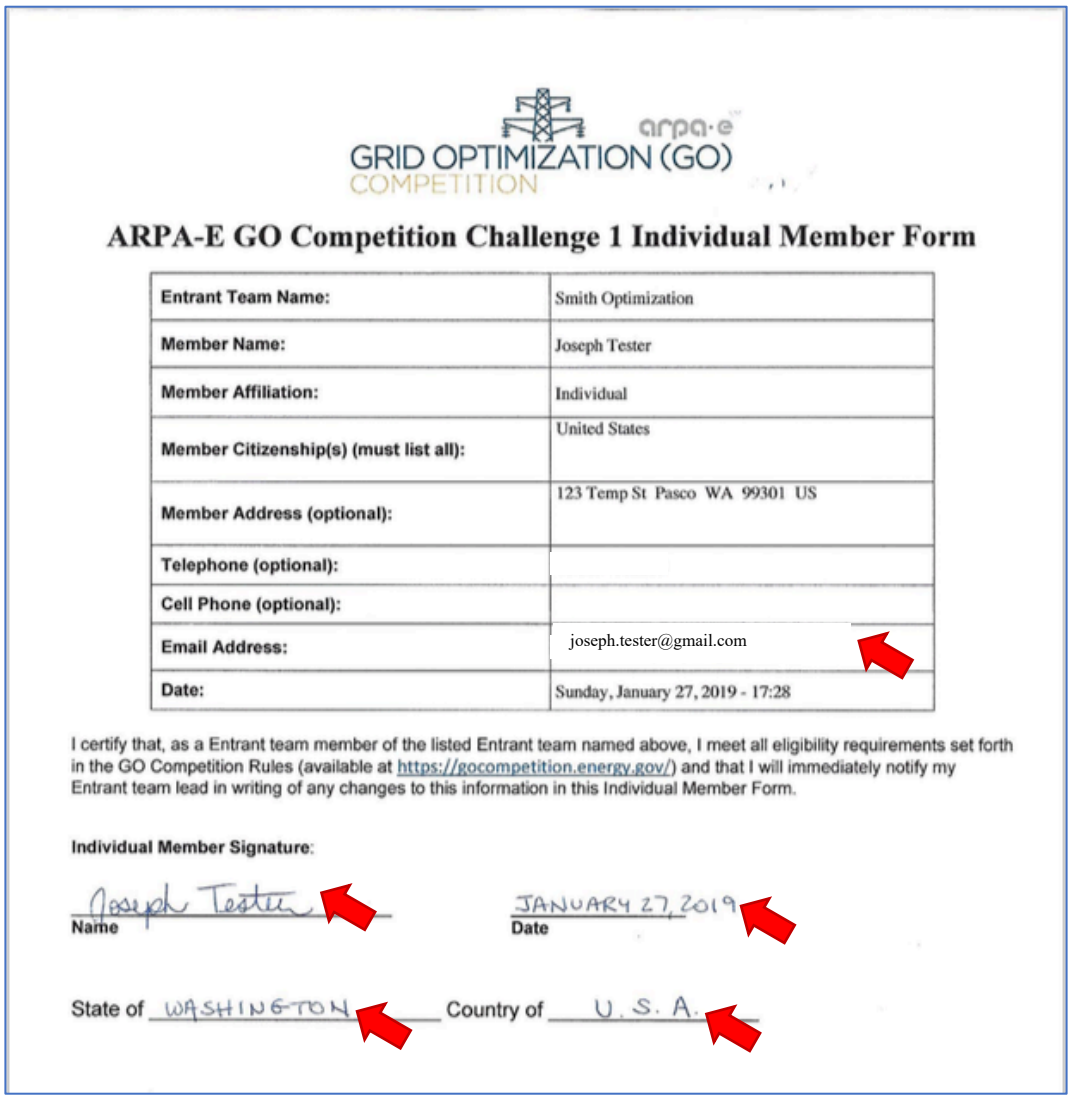
_____ _____

Name **Date**

State of _____ Country of _____

8. Verify all the required information is correct in your PDF. If not, edit the PDF OR print the PDF and correct the information manually. For example, the image in Step 7 is missing an e-mail address; the author needs to update this required field.

9. Print a copy of your completed Entrant Registration form. Manually sign and date your form (no digital signatures allowed at this time). Include your state and country where you signed your document. Your final document should look something like the image below.



GRID OPTIMIZATION (GO) COMPETITION

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ARPA-E GO Competition Challenge 1 Individual Member Form

Entrant Team Name:	Smith Optimization
Member Name:	Joseph Tester
Member Affiliation:	Individual
Member Citizenship(s) (must list all):	United States
Member Address (optional):	123 Temp St Pasco WA 99301 US
Telephone (optional):	
Cell Phone (optional):	
Email Address:	joseph.tester@gmail.com
Date:	Sunday, January 27, 2019 - 17:28

I certify that, as a Entrant team member of the listed Entrant team named above, I meet all eligibility requirements set forth in the GO Competition Rules (available at https://gocompetition.energy.gov/) and that I will immediately notify my Entrant team lead in writing of any changes to this information in this Individual Member Form.

Individual Member Signature:

Joseph Tester
Name

JANUARY 27, 2019
Date

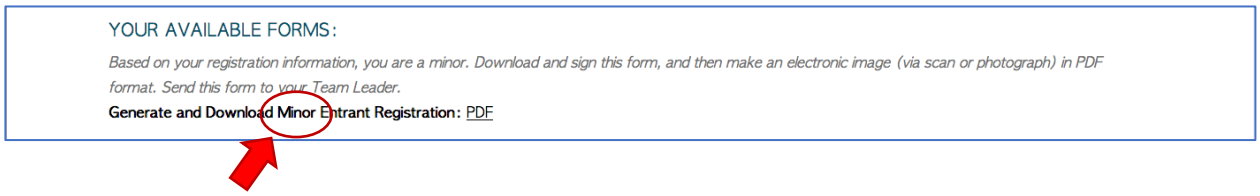
State of WASHINGTON Country of U.S.A.

10. Scan your signed PDF document.

11. Send your signed PDF document to your Team Leader.

Minor Entrant Instructions

If you are a minor entrant (a team member that is under the age of 18 years), your form on your My account page will be the Minor Entrant Form for PDF download and should look similar to the image below:



Once you download your form, it should look similar to the image below. It will have missing information. Please edit the form and enter all required information. Have your Legal Guardian sign the form and then continue with Step 10 above.

GRID OPTIMIZATION (GO) COMPETITION

ARPA-E GO Competition Challenge 1 Legal Guardian Form for a Entrant Team Member that is a Minor

Any Entrant team member that is a minor must fill out this form and submit it along with the overall Entrant team's Entry Form documentation.

Entrant Team Name:	Smith Optimization
Entrant Team Lead Name:	Mr. John T Smith
Entrant Team Lead Email Address:	
Entrant Team Lead Telephone:	
Name of Entrant Member who is a Minor:	
Name of Legal Guardian:	
Legal Guardian Address:	
Legal Guardian Telephone:	
Legal Guardian Cell Phone (optional):	
Legal Guardian Email Address:	
Date:	Sunday, January 27, 2019 - 18:59

I certify that, as the legal guardian of the Entrant team member listed above, who is a minor, I have the authority to approve of his/her participation in the GO Competition; with this submission, I grant approval to the Entrant team member (the minor listed above) to participate in the GO Competition with the specified Entrant team. Furthermore, I attest that I will immediately notify the Entrant team lead listed above, in writing, of any changes to the information in this form.

Legal Guardian Signature:

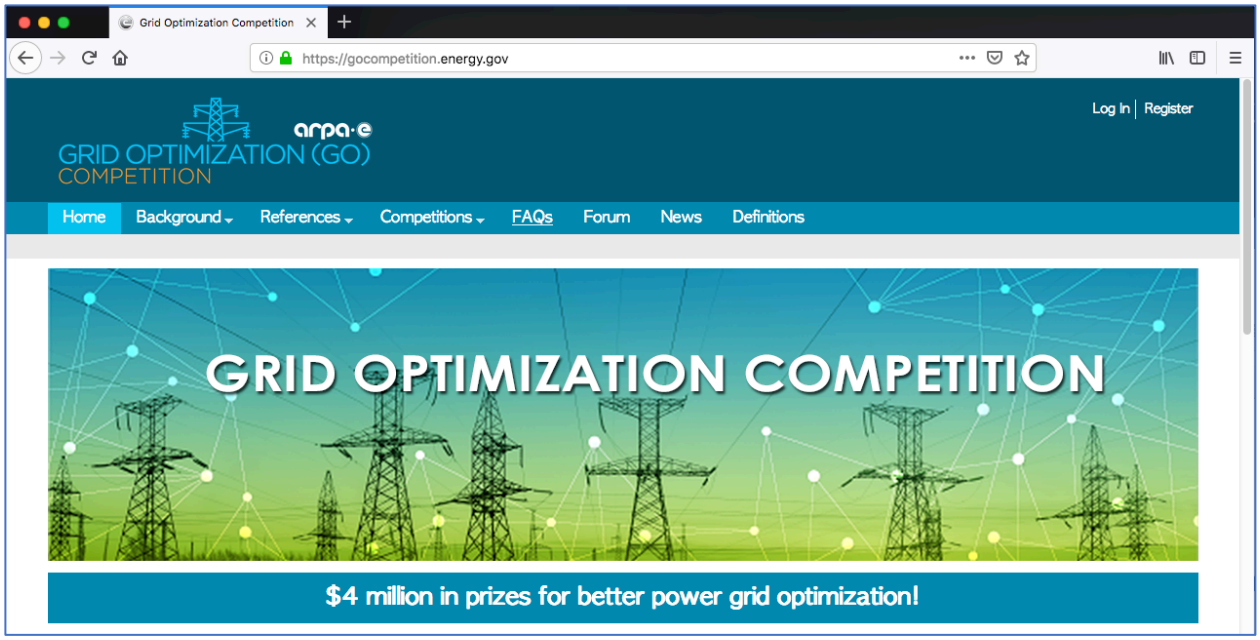
_____ _____

Name **Date**

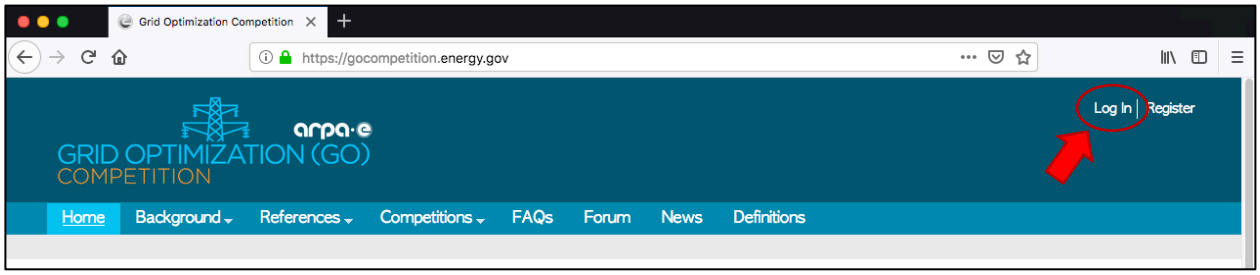
State of _____ Country of _____

Team Leader Instructions

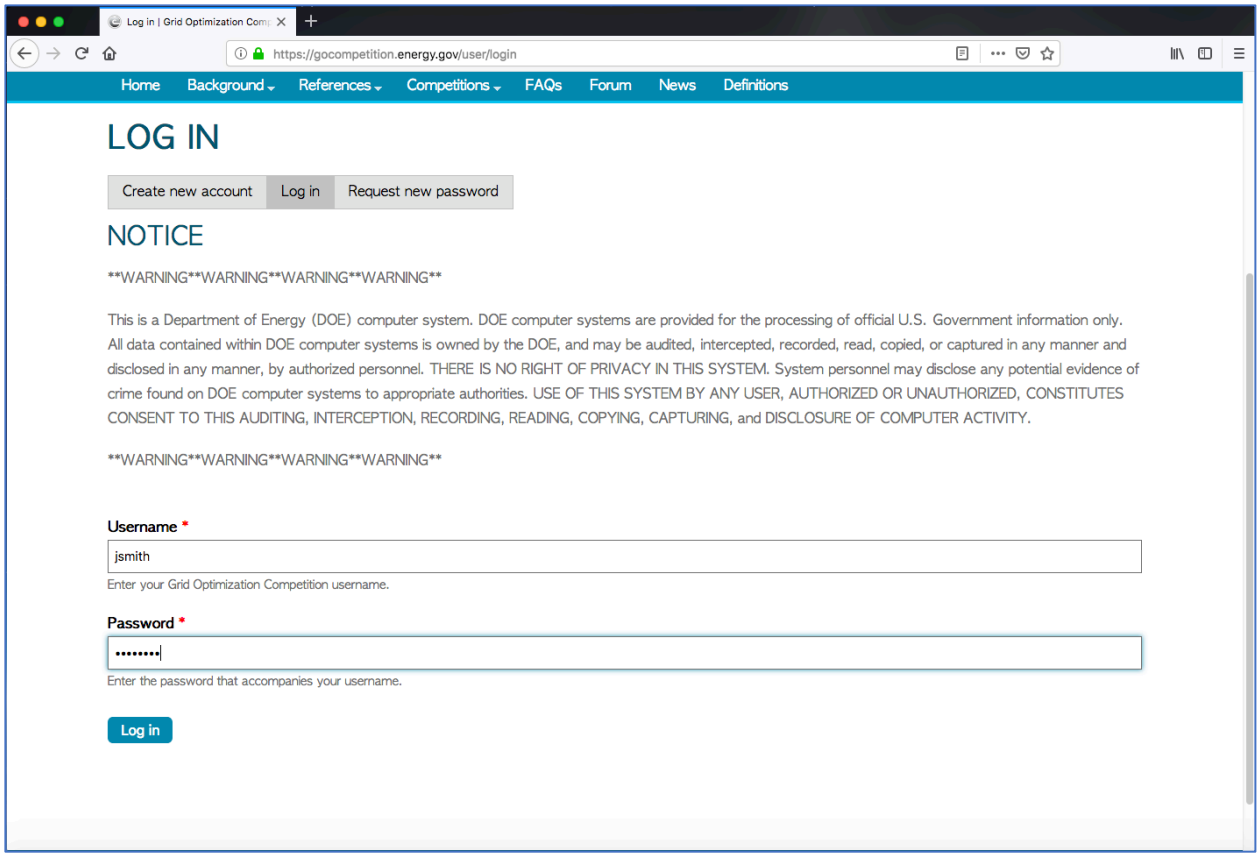
1. Go to the ARPA-E Grid Optimization Competition website at https://gocompetition.energy.gov.



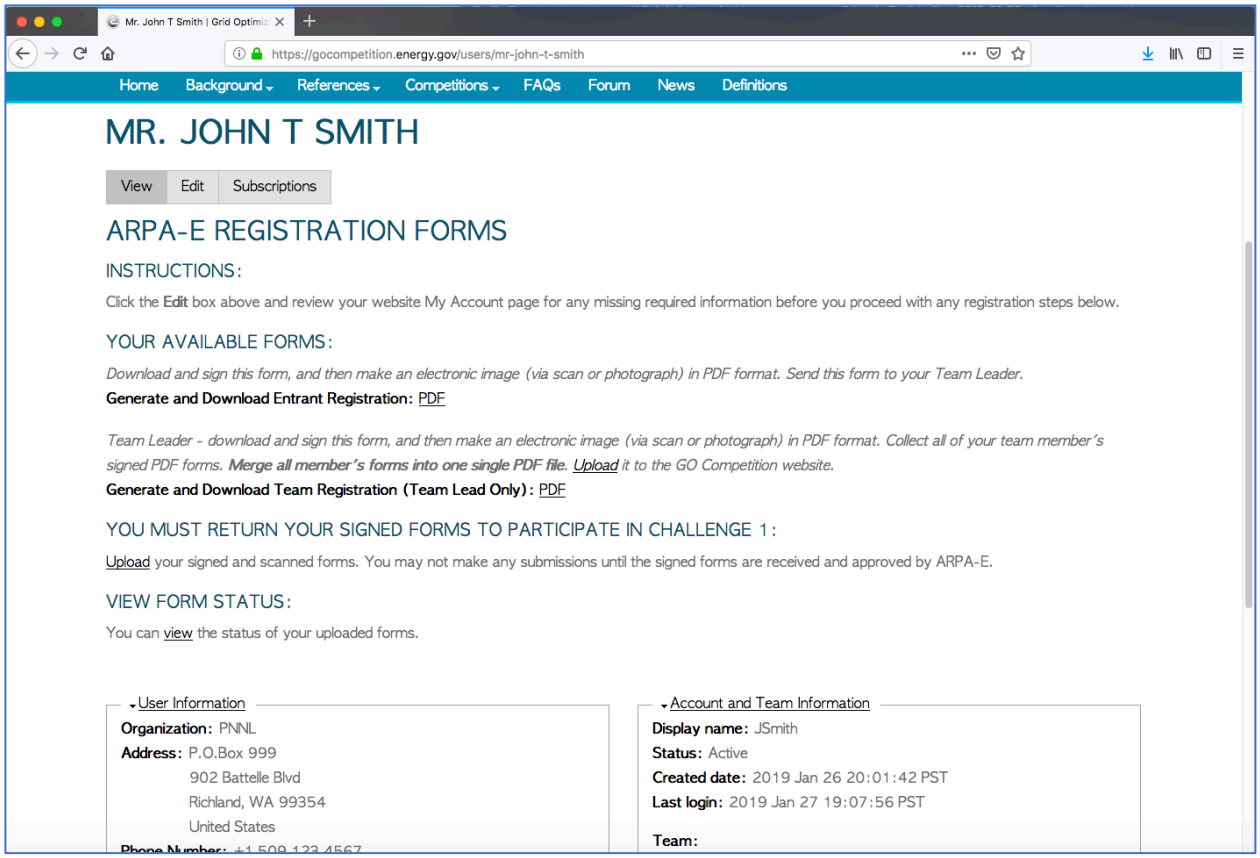
2. In the upper right corner, click on the Log In link.



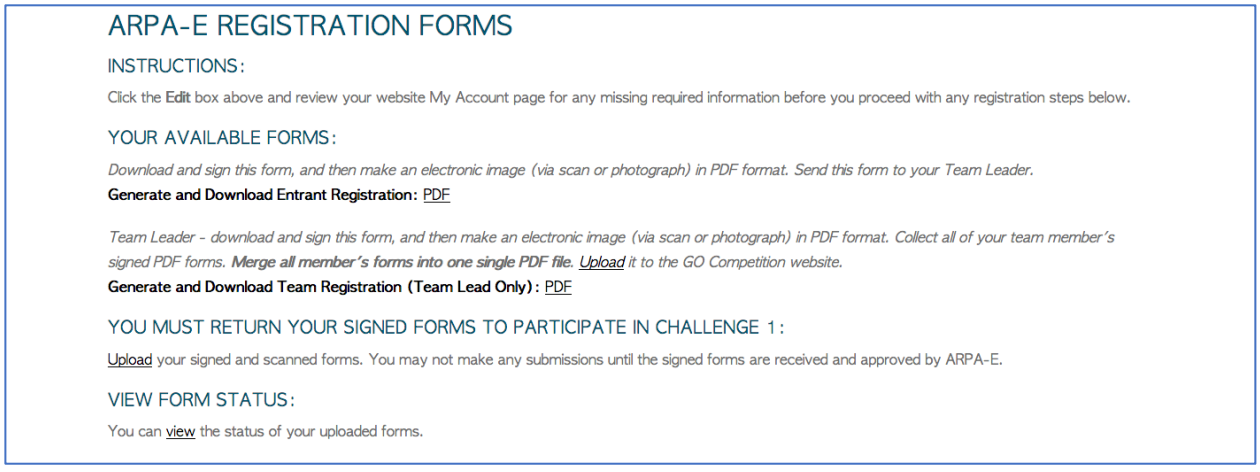
3. Log into your account using your GO Competition website username and password.



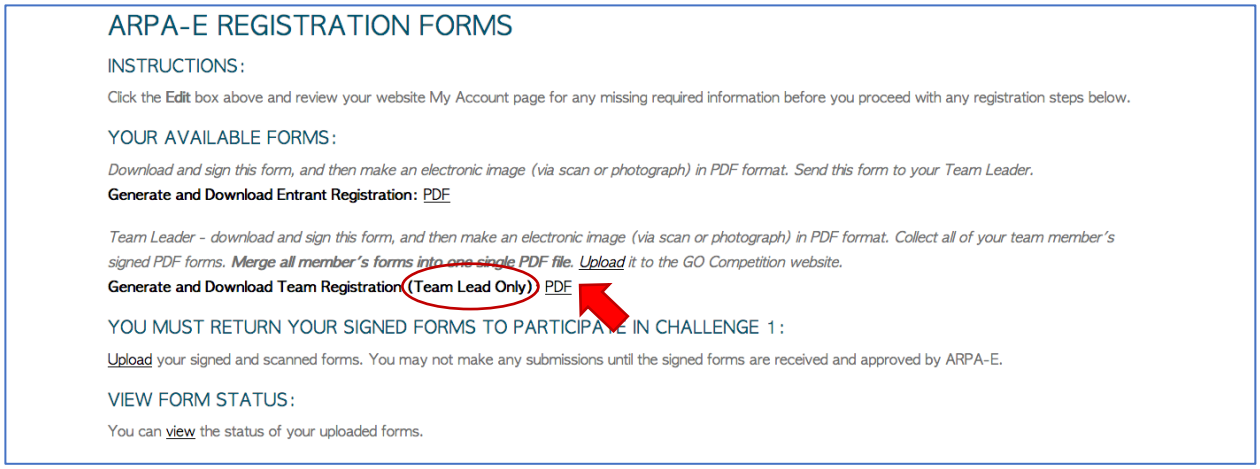
4. You should see your My account page, similar to the image below.



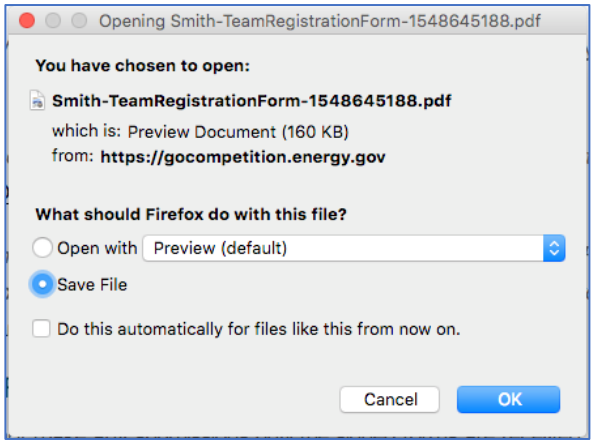
5. Follow the instructions under ARPA-E Registration Forms. This section is located just under your full name and should look similar to the image below.



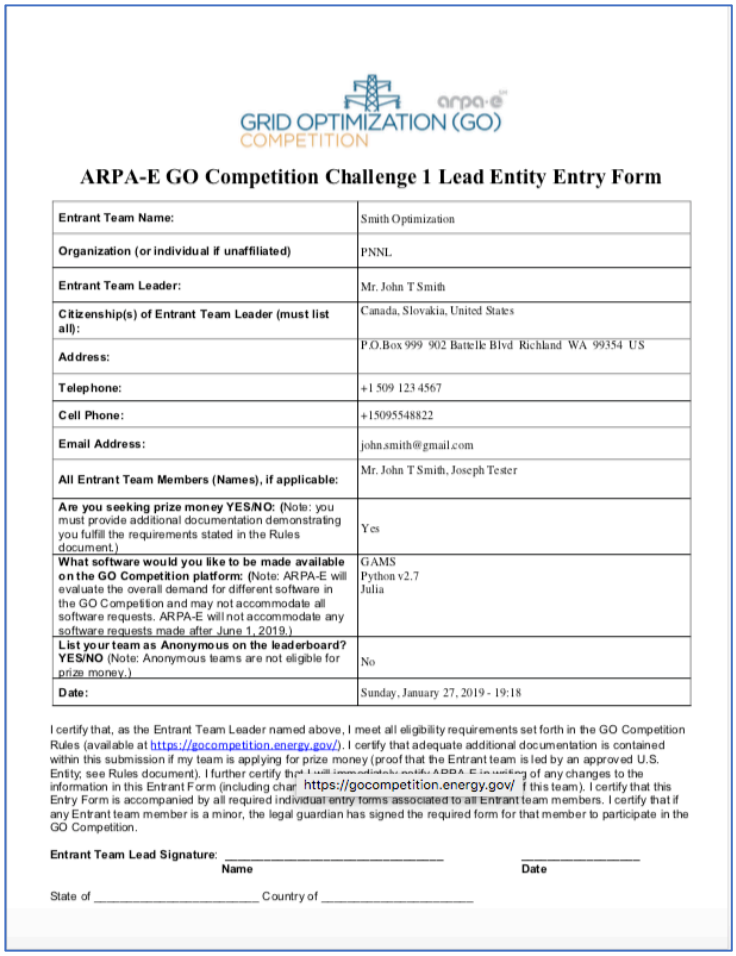
6. Under "Your Available Forms" section, click on the PDF link next to Team Lead Only, as noted by the red arrow in the below image.



7. This should prompt a save dialog box, similar to the image below. You can either open the PDF file or save the file to your local system. Select your choice and click the **OK** button. For this exercise, we saved the file to disk locally.



8. Go to the PDF file that you downloaded and open it with a PDF reader; go to the second page. Your file should look similar to the image below.



GRID OPTIMIZATION (GO) COMPETITION

ARPA-E GO Competition Challenge 1 Lead Entity Entry Form

Entrant Team Name:	Smith Optimization
Organization (or individual if unaffiliated)	PNNL
Entrant Team Leader:	Mr. John T Smith
Citizenship(s) of Entrant Team Leader (must list all):	Canada, Slovakia, United States
Address:	P.O.Box 999 902 Battelle Blvd Richland WA 99354 US
Telephone:	+1 509 123 4567
Cell Phone:	+15095548822
Email Address:	john.smith@gmail.com
All Entrant Team Members (Names), if applicable:	Mr. John T Smith, Joseph Tester
Are you seeking prize money YES/NO: (Note: you must provide additional documentation demonstrating you fulfill the requirements stated in the Rules document.)	Yes
What software would you like to be made available on the GO Competition platform: (Note: ARPA-E will evaluate the overall demand for different software in the GO Competition and may not accommodate all software requests. ARPA-E will not accommodate any software requests made after June 1, 2019.)	GAMS Python v2.7 Julia
List your team as Anonymous on the leaderboard? YES/NO (Note: Anonymous teams are not eligible for prize money.)	No
Date:	Sunday, January 27, 2019 - 19:18

I certify that, as the Entrant Team Leader named above, I meet all eligibility requirements set forth in the GO Competition Rules (available at https://gocompetition.energy.gov/). I certify that adequate additional documentation is contained within this submission if my team is applying for prize money (proof that the Entrant team is led by an approved U.S. Entity; see Rules document). I further certify that I will immediately notify ARPA-E in writing of any changes to the information in this Entrant Form (including changes to the https://gocompetition.energy.gov/ f this team). I certify that this Entry Form is accompanied by all required individual entry forms associated to all Entrant team members. I certify that if any Entrant team member is a minor, the legal guardian has signed the required form for that member to participate in the GO Competition.

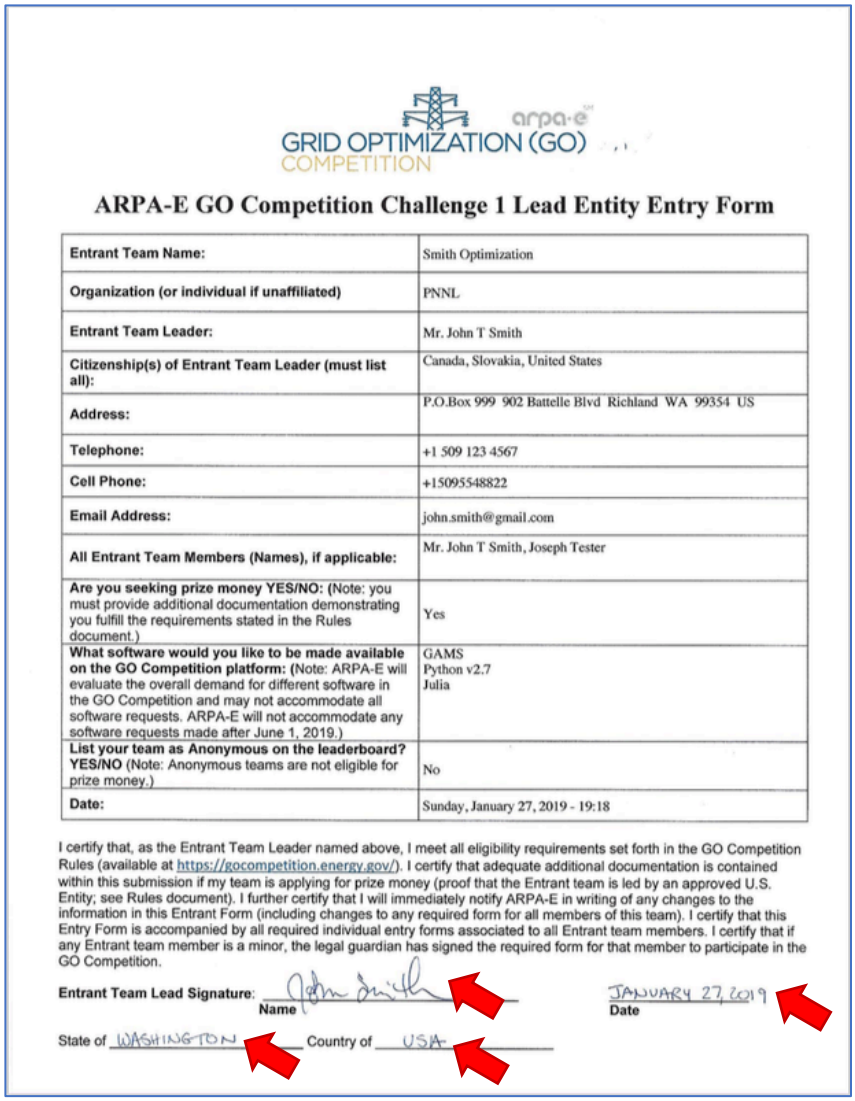
Entrant Team Lead Signature: _____ _____

Name **Date**

State of _____ Country of _____

9. Verify all the required information is correct in your PDF. If not, edit the PDF OR print the PDF and correct the information manually.

10. Print a copy of your completed Entrant Registration form. Manually sign and date your form (no digital signatures allowed at this time). Include your state and country where you signed your document. Your final document should look something like the image below.



GRID OPTIMIZATION (GO) COMPETITION

arpa·e

ARPA-E GO Competition Challenge 1 Lead Entity Entry Form

Entrant Team Name:	Smith Optimization
Organization (or individual if unaffiliated)	PNNL
Entrant Team Leader:	Mr. John T Smith
Citizenship(s) of Entrant Team Leader (must list all):	Canada, Slovakia, United States
Address:	P.O.Box 999 902 Battelle Blvd Richland WA 99354 US
Telephone:	+1 509 123 4567
Cell Phone:	+15095548822
Email Address:	john.smith@gmail.com
All Entrant Team Members (Names), if applicable:	Mr. John T Smith, Joseph Tester
Are you seeking prize money YES/NO: (Note: you must provide additional documentation demonstrating you fulfill the requirements stated in the Rules document.)	Yes
What software would you like to be made available on the GO Competition platform: (Note: ARPA-E will evaluate the overall demand for different software in the GO Competition and may not accommodate all software requests. ARPA-E will not accommodate any software requests made after June 1, 2019.)	GAMS Python v2.7 Julia
List your team as Anonymous on the leaderboard? YES/NO (Note: Anonymous teams are not eligible for prize money.)	No
Date:	Sunday, January 27, 2019 - 19:18

I certify that, as the Entrant Team Leader named above, I meet all eligibility requirements set forth in the GO Competition Rules (available at https://gocompetition.energy.gov/). I certify that adequate additional documentation is contained within this submission if my team is applying for prize money (proof that the Entrant team is led by an approved U.S. Entity; see Rules document). I further certify that I will immediately notify ARPA-E in writing of any changes to the information in this Entrant Form (including changes to any required form for all members of this team). I certify that this Entry Form is accompanied by all required individual entry forms associated to all Entrant team members. I certify that if any Entrant team member is a minor, the legal guardian has signed the required form for that member to participate in the GO Competition.

Entrant Team Lead Signature: John Smith **Name** JANUARY 27, 2019 **Date**

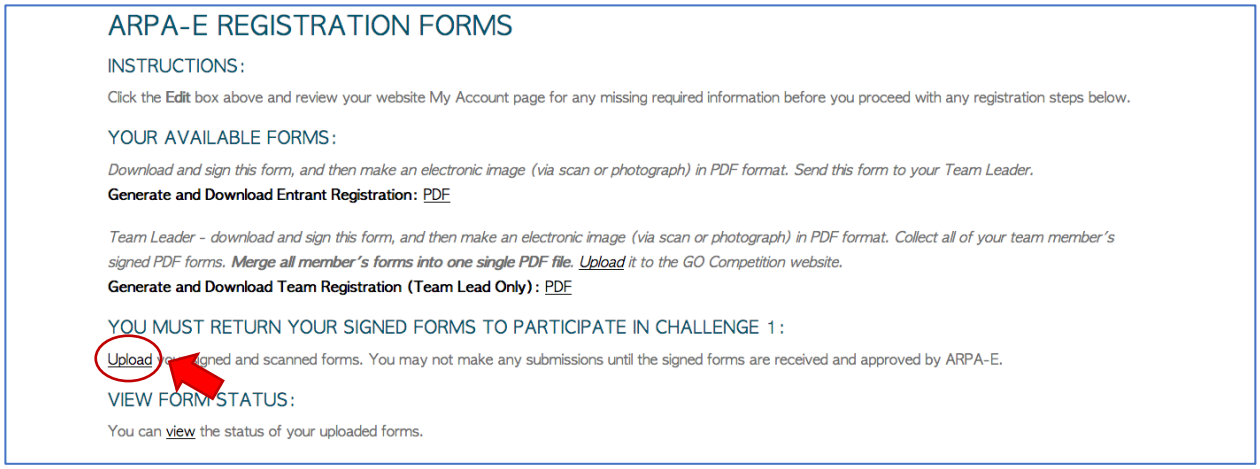
State of WASHINGTON Country of USA

11. Scan your signed PDF document.

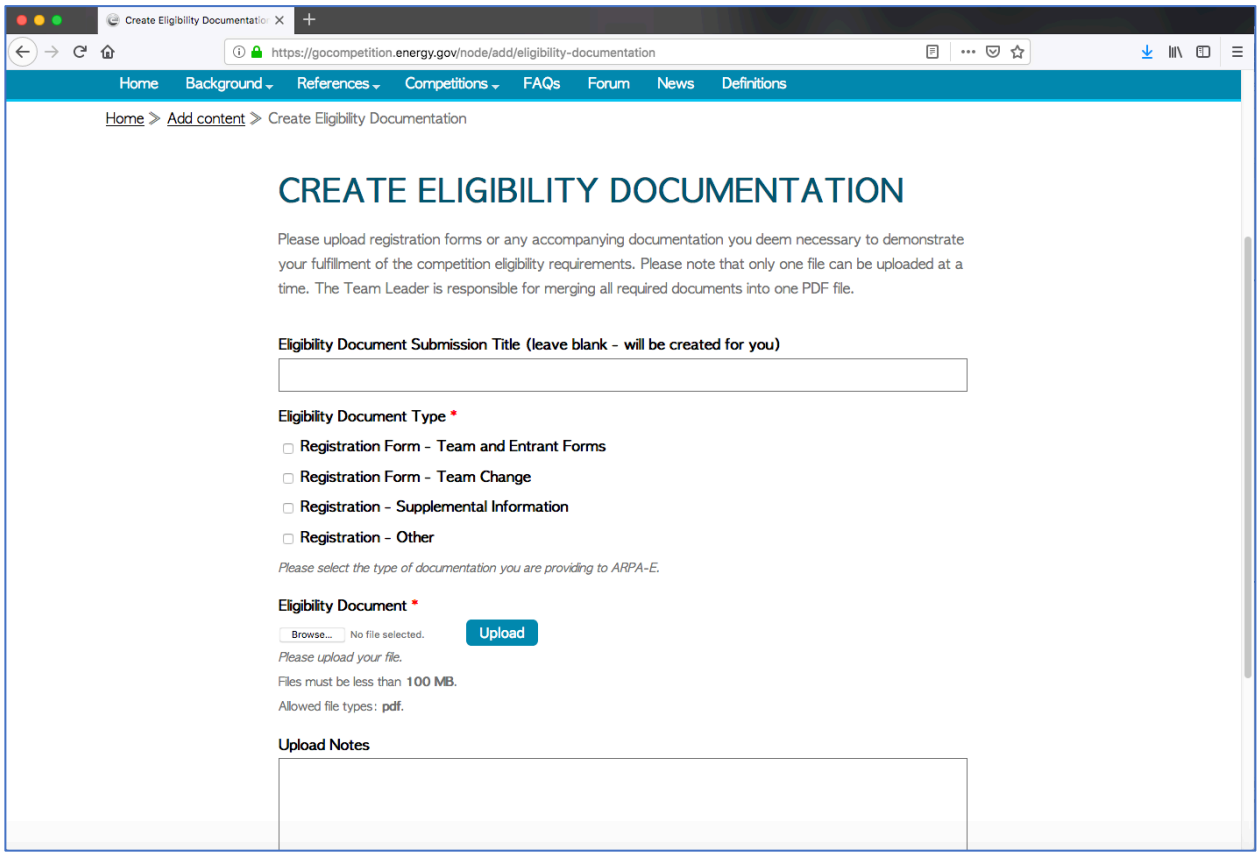
12. Collect all the signed PDF Entrant Registration documents from all of your team members.

13. Create an ARPA-E Team Registration PDF packet that contains your Team Lead Entrant Document (from Step 10 above) and all of your team member's Entrant Registration document(s) – adults and minors. Include any other supporting documents as per ARPA-E's instructions on the first page of the Team Lead's Entry Form that was downloaded from the GO Competition website.

14. Upload the Team Registration PDF packet. You will find this link under the "You must return your signed forms…" as noted by the red arrow in the image below.

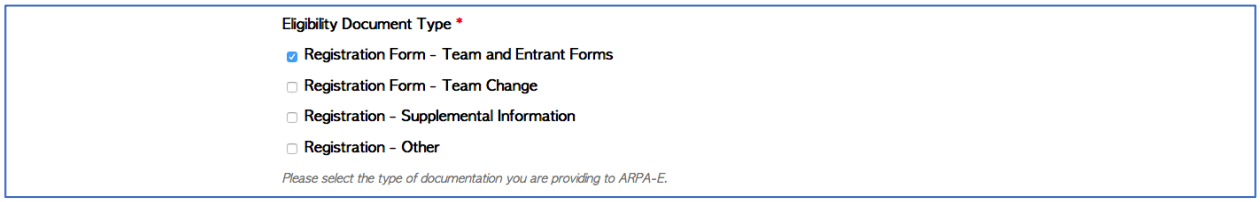


15. You will be directed to the "Create Eligibility Documentation" page (https://gocompetition.energy.gov/node/add/eligibility-documentation). This page will allow you to send your registration PDF packet to ARPA-E for review. The required fields are marked with a red asterisk (*) and are noted in the next steps.

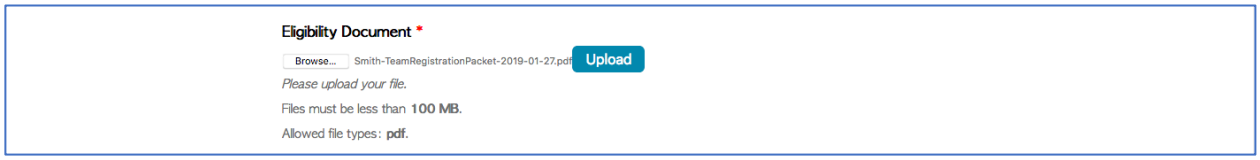


16. Skip the Eligibility Document Submission Title. This will be automatically created for you upon saving the web form.

17. Select the type of PDF packet that you are uploading for ARPA-E review. This is required information that will aid ARPA-E in understanding your submission packet.

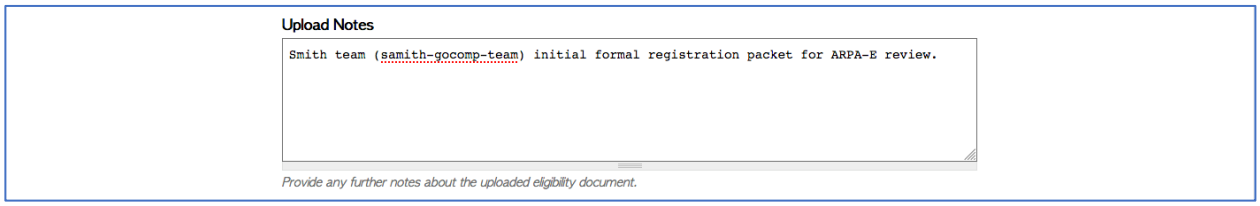


18. Upload your Team Registration PDF packet. Click the **Browse** button to find and select your packet.

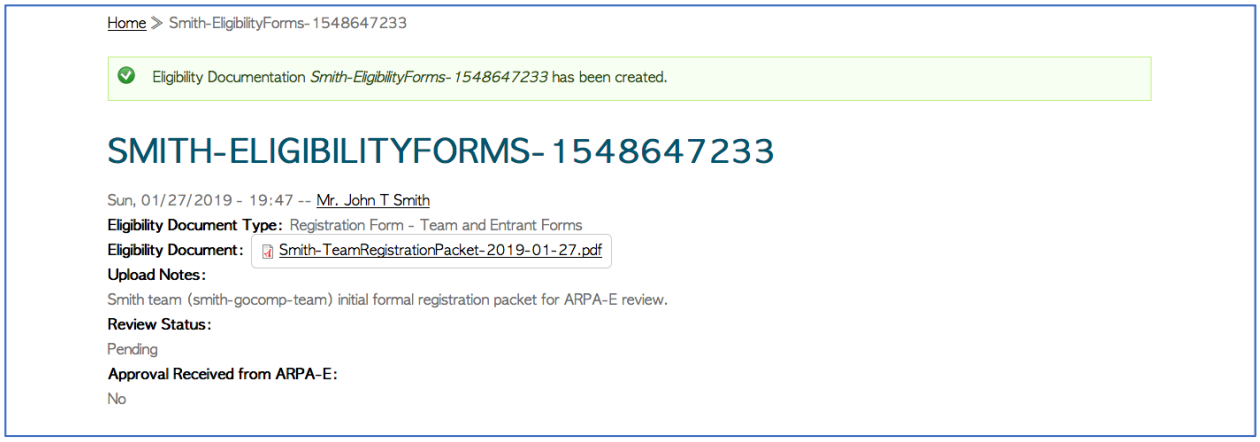


19. Click the **Upload** button to upload your documentation to the GO Competition website. If successful, you should see something similar to the image below.

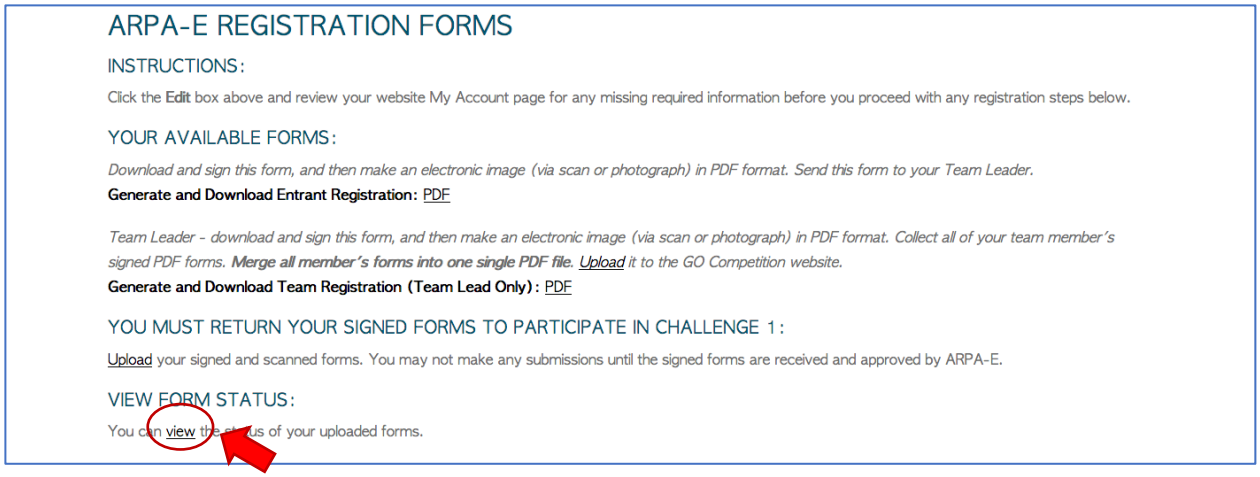
20. Enter any notes that clarify your documentation. This is optional information.



21. Click the **Save** button at the bottom of the page. This sends the PDF packet to ARPA-E for review.



22. At any time, the Team Leader can view the status of their submitted ARPA-E documents. Go to your My account page and under "View Form Status" you can click on the view link.

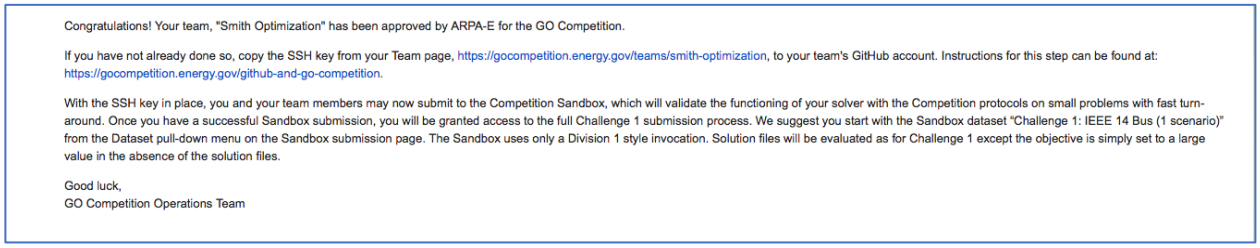


23. You will be directed to the "Submitted ARPA-E Competition Eligibility Documents" page (https://gocompetition.energy.gov/submitted_competition_forms). The status column shows the current state of your document; allowed states are "accepted", "pending", and "declined".

24. Once ARPA-E reviews your PDF packet, ARPA-E will respond directly to you via e-mail of their decision for your official registration/participation in the competition. If the

documentation has been approved/accepted by ARPA-E, GO Competition Administrator will be notified to enable your team to participate in the Sandbox submission.

25. Once the GO Competition Administrator has enabled your team for a Sandbox submission, you and all your team members will receive an e-mail, similar to the image below:



Congratulations! Your team, "Smith Optimization" has been approved by ARPA-E for the GO Competition.

If you have not already done so, copy the SSH key from your Team page, https://gocompetition.energy.gov/teams/smith-optimization, to your team's GitHub account. Instructions for this step can be found at: https://gocompetition.energy.gov/github-and-go-competition.

With the SSH key in place, you and your team members may now submit to the Competition Sandbox, which will validate the functioning of your solver with the Competition protocols on small problems with fast turn-around. Once you have a successful Sandbox submission, you will be granted access to the full Challenge 1 submission process. We suggest you start with the Sandbox dataset "Challenge 1: IEEE 14 Bus (1 scenario)" from the Dataset pull-down menu on the Sandbox submission page. The Sandbox uses only a Division 1 style invocation. Solution files will be evaluated as for Challenge 1 except the objective is simply set to a large value in the absence of the solution files.

Good luck,
GO Competition Operations Team

26. You and your team members are now allowed to submit code submission for the Sandbox, a testing area to help your team understand the submission process and GO Competition platform messages. You and your team members should now see a **Submit** button under Sandbox in the left-most column.