

The CO₂ Conversion Challenge is devoted to fostering the development of CO₂ conversion systems that can effectively produce singular or multiple molecular compounds identified as desired microbial manufacturing ingredients and/or that provide a significant advancement of physicochemical CO₂ conversion for the production of useful molecules.

I. Prize Amounts

Phase 2 of the CO₂ Conversion Challenge will award to up to three (3) top teams, who will receive prizes from a prize purse of \$750,000 (seven-hundred fifty thousand dollars). Teams will be required to submit: (1) An application containing a description of the physiochemical conversion system they will build to demonstrate the production of carbon-based molecular compounds and (2) a video of the system in operation that clearly depicts the overall component and operation of the system. Upon completion of a phone interview with a judge, teams will be required to host a site visit by a judge where the operation of the system is demonstrated and a sample to be analyzed is produced and collected. The team's product will be examined using an independent chemical analysis to determine if any of the targeted compounds are present.

Challenge targeted compounds	Weighting factor
D-Glucose	100
Other 6-carbon sugars (D-hexoses)	80
5-carbon sugars (D-pentoses)	50
4-carbon sugars (D-tetroses)	10
3-carbon sugars (D-trioses)	5
D-Glycerol	5

If enantiomers of the targeted compounds are present, the mass of each will be measured. The total score will be calculated by taking the mass of the most desired enantiomer "D" form minus the mass of the undesired "L" form. For example, if equal amounts of "D" and "L" glucose are found, then no points will be given for that compound.

The three highest scoring teams will be awarded the following prizes:
 First place—\$350,000 (three hundred fifty thousand U.S. dollars)
 Second place—\$200,000 (two hundred thousand U.S. dollars)
 Third place—\$100,000 (one hundred thousand U.S. dollars)

In the event of a tie score between two or more teams, the corresponding award(s) will be divided evenly among the teams. For example, a tie for first place will result in both teams receiving $(\$350,000 + \$200,000)/2 = \$275,000$.

\$100,000 bonus prizes awarded to as many three (3) teams.

Bonus Prize—System Effectiveness for Space Mission Applications: The information provided in the Demonstration Application as well as information gathered during the on-site judging event will be used by the judging panel to assess the overall system effectiveness for future application in space missions. A total of \$100,000 will be available for bonus prizes in amounts determined by the judges for up to 3 teams. Teams do not need to win one of the contest prizes to be awarded a Bonus Prize. The top score will receive \$50,000 and the next two highest scores will receive \$25,000. A minimum score of 65 points is required to be eligible for a bonus prize.

II. Eligibility

To be eligible to win a prize, competitors must:

(1) NASA welcomes applications from individuals, companies, or other entities that have an official legal status under applicable law (state, federal or country) and that are in good standing in the jurisdiction under which they are organized with the following restrictions:

(a) *Individuals participating singly or in a group must be U.S. citizens or permanent residents of the United States and must be 18 years of age or older.*

(b) *Private entities must be incorporated in and maintaining a primary place of business in the United States.*

(c) *Teams must be comprised of otherwise eligible individuals or entities, and led by an otherwise eligible individual or entity.*

(2) Register on the challenge website and comply with all requirements in the rules and team agreement.

(3) U.S. government employees may enter the competition, or be members of prize-eligible teams, so long as they are not acting within the scope of their federal employment, and they rely on no facilities, access, personnel, knowledge or other resources that are available to them as a result of their employment except for those resources available to all other participants on an equal basis. For additional information regarding government employee participation see <https://www.co2conversionchallenge.org/>.

(4) *Teams must conduct their demonstration work in facilities based in the United States, to include AK, HI and U.S. territories.*

(5) *Foreign citizens may only participate through an eligible US entity as:*

a. An employee of such entity

b. A full-time student of such entity, if the entity is a university or other accredited institution of higher learning,

c. An owner of such entity, so long as foreign citizens own less than 50% of the interests in the entity, OR

d. A contractor under written contract to such entity.

For additional information regarding foreign citizen participation see <https://www.co2conversionchallenge.org/>.

The full details for eligibility requirements can be found on the official challenge site: <https://www.co2conversionchallenge.org/>.

III. Intellectual Property

Each application will be required to disclose the anticipated ownership, use, and licensing of any intellectual property. The team will be required to represent and warrant that the entry is an original work created solely by the team, that the team owns all intellectual property in and to the entry, and that no other party has any right, title, claim or interest in the entry, except as expressly identified by the team to NASA in writing in the application and at the conclusion of the competition. NASA claims no right, title, or interest to any such intellectual property solely as a consequence of the team's participation in the competition, including the winning of a prize. NASA reserves the right to share any submissions or related information received with its civil servants and contractors, and reserves the right to approach individual participants about any future opportunities at the conclusion of the competition.

IV. Rules

The complete rules for the CO₂ Conversion Challenge can be found at: <https://www.co2conversionchallenge.org/>.

Nanette Smith,

NASA Federal Register Liaison Officer.

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NATIONAL FOUNDATION ON THE ARTS AND THE HUMANITIES

National Endowment for the Humanities

Meeting of Humanities Panel

AGENCY: National Endowment for the Humanities; National Foundation on the Arts and the Humanities.

ACTION: Notice of meeting.

SUMMARY: The National Endowment for the Humanities will hold fourteen

meetings of the Humanities Panel, a federal advisory committee, during October 2019. The purpose of the meetings is for panel review, discussion, evaluation, and recommendation of applications for financial assistance under the National Foundation on the Arts and the Humanities Act of 1965.

DATES: See **SUPPLEMENTARY INFORMATION** for meeting dates. The meetings will open at 8:30 a.m. and will adjourn by 5:00 p.m. on the dates specified below.

ADDRESSES: The meetings will be held at Constitution Center, 400 7th Street SW, Washington, DC 20506, unless otherwise indicated.

FOR FURTHER INFORMATION CONTACT: Elizabeth Voyatzis, Committee Management Officer, 400 7th Street SW, Room 4060, Washington, DC 20506; (202) 606-8322; evoyatzis@neh.gov.

SUPPLEMENTARY INFORMATION: Pursuant to section 10(a)(2) of the Federal Advisory Committee Act (5 U.S.C. App.), notice is hereby given of the following meetings:

1. Date: October 10, 2019

This meeting will discuss applications on the topic of Literature, for the Humanities Collections and Reference Resources grant program, submitted to the Division of Preservation and Access.

2. Date: October 17, 2019

This meeting will discuss applications on the topic of Art History, for the Humanities Collections and Reference Resources grant program, submitted to the Division of Preservation and Access.

3. Date: October 21, 2019

This meeting will discuss applications on the topic of History, for Media Projects: Development Grants, submitted to the Division of Public Programs.

4. Date: October 22, 2019

This meeting will discuss applications on the topic of History, for Media Projects: Production Grants, submitted to the Division of Public Programs.

5. Date: October 22, 2019

This meeting will discuss applications on the topic of Media Studies, for the Humanities Collections and Reference Resources grant program, submitted to the Division of Preservation and Access.

6. Date: October 24, 2019

This meeting will discuss applications on the topics of

Architecture and Urban Studies, for the Humanities Collections and Reference Resources grant program, submitted to the Division of Preservation and Access.

7. Date: October 24, 2019

This meeting will discuss applications on the topics of Native American and Western U.S. History, for the Public Humanities Projects: Exhibitions (Implementation) grant program, submitted to the Division of Public Programs.

8. Date: October 25, 2019

This meeting will discuss applications on the topic of World Studies: Ancient to Early Modern, for the Humanities Collections and Reference Resources grant program, submitted to the Division of Preservation and Access.

9. Date: October 25, 2019

This meeting will discuss applications on the topic of History, for Media Projects: Development Grants, submitted to the Division of Public Programs.

10. Date: October 28, 2019

This meeting will discuss applications on the topic of Cultural History, for Media Projects: Production Grants, submitted to the Division of Public Programs.

11. Date: October 29, 2019

This meeting will discuss applications on the topics of American Studies and Visual Culture, for the Humanities Collections and Reference Resources grant program, submitted to the Division of Preservation and Access.

12. Date: October 30, 2019

This meeting will discuss applications for the Short Documentaries grant program, submitted to the Division of Public Programs.

13. Date: October 31, 2019

This meeting will discuss applications on the topic of U.S. History: Social, for the Humanities Collections and Reference Resources grant program, submitted to the Division of Preservation and Access.

14. Date: October 31, 2019

This meeting will discuss applications on the topics of Historic Places and U.S. History, for the Public Humanities Projects: Historic Places (Implementation) grant program, submitted to the Division of Public Programs.

Because these meetings will include review of personal and/or proprietary

financial and commercial information given in confidence to the agency by grant applicants, the meetings will be closed to the public pursuant to sections 552b(c)(4) and 552b(c)(6) of Title 5, U.S.C., as amended. I have made this determination pursuant to the authority granted me by the Chairman's Delegation of Authority to Close Advisory Committee Meetings dated April 15, 2016.

Dated: September 17, 2019.

Elizabeth Voyatzis,

Committee Management Officer, National Endowment for the Humanities.

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NUCLEAR REGULATORY COMMISSION

[NRC-2019-0001]

Sunshine Act Meetings

TIME AND DATE: Week of September 23, 2019.

PLACE: Commissioners' Conference Room, 11555 Rockville Pike, Rockville, Maryland.

STATUS: Public.

MATTERS TO BE CONSIDERED:

Week of September 23, 2019—Tentative

Thursday, September 26, 2019

2:00 p.m. Affirmation Session (Public Meeting) (Tentative)

Powertech (USA) Inc. (Dewey-Burdock In Situ Uranium Recovery Facility), Petition for Interlocutory Review of LBP-18-5, Memorandum and Order (Denying Motions for Summary Disposition as to Contention 1A) (Tentative)

CONTACT PERSON FOR MORE INFORMATION:

For more information or to verify the status of meetings, contact Denise McGovern at 301-415-0681 or via email at Denise.McGovern@nrc.gov. The schedule for Commission meetings is subject to change on short notice.

The NRC Commission Meeting Schedule can be found on the internet at: <http://www.nrc.gov/public-involve/public-meetings/schedule.html>.

The NRC provides reasonable accommodation to individuals with disabilities where appropriate. If you need a reasonable accommodation to participate in these public meetings or need this meeting notice or the transcript or other information from the public meetings in another format (e.g., braille, large print), please notify Anne Silk, NRC Disability Program Specialist, at 301-287-0745, by videophone at