

# *Endowed* **FACULTY CHAIR**

2020

OCCIDENTAL PETROLEUM CORPORATION  
CHAIR IN ENERGY AND ENVIRONMENTAL TECHNOLOGIES





## University of Wyoming School of Energy Resources

*Requests Nominations for the*

### **Occidental Petroleum Corporation Chair in Energy and Environmental Technologies**

#### **Background**

The School of Energy Resources (SER) at the University of Wyoming is requesting nominations for the Occidental (NYSE: OXY) Chair in Energy and Environmental Technologies. The holder of this chair will benefit from the earnings on the approximately \$2.2 million endowment aimed at driving research excellence and scholarship. The holder of this chair must focus on science and/or engineering technology for the economic benefit of the state of Wyoming.

A nominee must be:

- A distinguished faculty member serving at the University of Wyoming while holding the chair
- Not currently holding a different endowed chair
- Fully committed to developing an understanding of the business drivers and challenges of the energy industry and identify opportunities in which they are able to contribute knowledge and scholarly output to drive improved industry outcomes in Wyoming and beyond
- Actively pursuing research with demonstrated, superior scholarly output in a field that is related to the chair focus
- Committed to engaging in regular dialogue with the appropriate staff at Occidental to exchange ideas and share knowledge through in person or online meetings at least twice per year
- Committed to engaging with one or more of the interdisciplinary SER Centers of Excellence

The research focus of this endowed chair is inspired by Occidental's pursuit of enhanced oil recovery technologies, and cutting-edge carbon capture, use and storage (CCUS) projects to reduce the emission of human-made carbon dioxide (CO<sub>2</sub>).

This chair is intended to be impactful and focus on applied research. Thus, the chair should work with the SER Executive Director (SER ED) to develop a strategic direction for research and outreach. The chair will also participate in a periodic review of the strategic direction of the chair by a panel selected by the SER ED.

This chair will be awarded to a UW distinguished faculty member whose research interests lie in CCUS, particularly understanding the behavior and long-term fate of CO<sub>2</sub> in various environments in the geosphere – including but not limited to petroleum reservoirs and saline aquifers. The awardee is expected to seek outcomes that will contribute to improving enhanced oil recovery as well as long-term storage of CO<sub>2</sub>. Furthermore, the awardee will strive to disseminate knowledge that results from his or her research to a broad spectrum of stakeholders with the goal of improving confidence in the safety of CO<sub>2</sub> use and storage as a solution to emissions reduction.

### **Desired Experience, Knowledge & Skills**

The successful candidate will be in a science or engineering department at UW, and will possess experience, knowledge and skills from among the following:

- Deep understanding of CO<sub>2</sub> mitigation technologies of relevance to the oil and gas industry (e.g., CCUS, bio-energy with CCS (BECCS), air capture, CO<sub>2</sub> enhanced oil recovery, geosequestration, etc.)
- An established research program in the geosciences or engineering fields that examines the behavior, reactions, and fate of CO<sub>2</sub> in appropriate settings in the geosphere
- An appreciation for the value of interdisciplinary research
- A track record of peer-reviewed publications in this field of research
- A track record of successful mentoring of graduate students as well as teaching at the graduate and undergraduate levels
- Effective communication and interpersonal skills across multiple authority levels
- Effective organizational, planning and conceptualization skills

### **Nomination Requirements**

Members of the faculty—especially academic unit heads—are encouraged to nominate colleagues who they wish to have considered for this recognition. Self-nomination is also encouraged. To nominate, please submit a nomination dossier for review by the selection committee:

1. A letter of nomination
2. Current curriculum vitae
3. A statement from the nominee as to how he or she envisions using the chair to advance his or her scholarship, teaching, and outreach, and to contribute to the university's mission through scholarly leadership;
4. A recommendation letter provided by a faculty committee participating in the appointment process
5. Three or more letters from external referees who are noted authorities in the nominee's scholarship field(s); The group of external referees should include, wherever possible, holders of endowed positions, members of national or professional academies, college deans, or other similarly recognized scholars and

- leaders. Reference letters should address the candidate's qualifications for an endowed position, with consideration of the criteria listed above.
6. Three to five examples of the nominee's major accomplishments, such as publications

**Deadline for nominations: December 4, 2020**

Please submit your applications and any questions to SER Executive Director, Holly Krutka at [hkrutka@uwyo.edu](mailto:hkrutka@uwyo.edu) and copy Trish Steger at [psteiger@uwyo.edu](mailto:psteiger@uwyo.edu)

**Selection Committee:**

Mark Clementz, Head of Department, Geology and Geophysics  
Daniel Dale, Interim Dean, Arts & Sciences  
Holly Krutka, Executive Director, School of Energy Resources  
Scott Quillinan, Director, Center of Economic Geology Research