

## TH37 Next Generation Nuclear Plant (NGNP) Research

The USNRC and DOE are engaged in identifying the key technical and policy issues associated with designing, licensing, constructing, and operating a very-high-temperature gas cooled reactor that is used to supply very-high-temperature steam for process heat and electricity generation. USNRC and DOE have developed a licensing plan and are cooperatively developing and implementing research to address identified issues. The panelists will discuss the status of the program, research activities, and licensing issues.

**Session Chair:** John Jolicoeur, Branch Chief, Division of Systems Analysis, NRC/RES

### **Speakers/Panelists:**

Scaling and Design of the Oregon State University High Temperature Test Facility  
*Presentation View* *Handout View*

*Brian Woods, Associate Professor, Oregon State University*

The NGNP Fuel Development and Qualification Program  
*Presentation View* *Handout View*

*David Petti, Director, VHTR Technology Development Office, Idaho National Laboratory*

Engineering Alloys for the Next Generation Nuclear Plant  
*Presentation View* *Handout View*

*Richard Wright, NGNP High Temperature Metals Technical Lead, Idaho National Laboratory*

Development of the NRC's Evaluation Model for the Next Generation Nuclear Plant (NGNP)  
*Presentation View* *Handout View*

*Joseph Kelly, Senior Reactor Systems Engineer, NRC/RES*

### **Session Coordinator:**

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