

**United States House of Representatives  
Committee on Appropriations**

**Project Request Summary**

**General Information**

**Member**

The Honorable Robert E. Latta

**Staff Contact**

Allison Witt

**Phone Number**

**Email Address**

allison.witt@mail.house.gov

**Subcommittee, Agency and Account Information**

**Subcommittee**

Energy and Water

**Agency**

Department of Energy

**Account**

EERE - Wind Energy

**Project Information**

**Project Name**

Ultra Large Product Testing (ULPT)

**Project Description**

The ULPT project will install laboratory test equipment that will enable DOE, and industry, to test AFBs and AFB systems (self-contained bearings with lubricants, seals and surface treatments) under conditions representative of the loads, speeds and environmental conditions that these products will experience in service (application testing). This equipment will be used to understand rolling contact fatigue (design, materials, thermal treatments), energy consumption and lubrication/seal/surface treatment performance to accumulate large bearing performance for the evaluation and construction of new designs significantly increasing energy efficiency and electricity production. At present, there is no US capability to test the large bearings and gearboxes that must be installed in the next generation wind turbines. This project is vital to the continued and increased employment in the facility located in Bucyrus, Crawford County.

**How does this project relate to the agency's mission?**

This project will allow the US to test the large bearings and gearboxes that must be installed in the next generation wind turbines, as presently there is no capability to do this testing to support alternative wind energy.

**FY2009**

**President's Budget Request**

\$0

**Amount Requested**

\$2,000,000

**Intended Recipient**

The Timken Company

**Intended Recipient of Funds**

The Timken Company

1835 Dueber Avenue

Canton, OH 44706

**Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds)**

The ULPT project will install laboratory test equipment that will enable DOE, and industry, to test AFBs and AFB systems (self-contained bearings with lubricants, seals and surface treatments) under conditions representative of the loads, speeds and environmental conditions that these products will experience in service (application testing). This equipment will be used to understand rolling contact fatigue (design, materials, thermal treatments), energy consumption and lubrication/seal/surface treatment performance to accumulate large bearing performance for the evaluation and construction of new designs significantly increasing energy efficiency and electricity production. At present, there is no US capability to test the large bearings and gearboxes that must be installed in the next generation wind turbines. This project is vital to the continued and increased employment in the facility located in Bucyrus, Crawford County.

**URL where this information will be posted (please put the address of the specific page)**

[http://latta.house.gov/app\\_sub.shtml](http://latta.house.gov/app_sub.shtml)

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**Appropriator<sup>2010</sup> U.S. House of Representatives, Committee on Appropriations**

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**Project Request  
Fiscal Year 2010**

Your request has been saved and is visible to Committee staff.

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**Information about your submission**

ID 49208  
 Date/Time Submitted Sat Apr 04 14:05:28 -0400 2009  
 Submitted from IP Address 143.231.147.8

**Project Request Summary****General Information**

Member The Honorable Robert E. Latta  
 Staff Contact Allison Witt  
 Phone Number 6-4329  
 Email Address allison.witt@mail.house.gov

**Subcommittee, Agency and Account Information**

Subcommittee Energy and Water  
 Agency Department of Energy  
 Account EERE - Wind Energy

**Project Information**

Priority 12th  
 Project Name Ultra Large Product Testing (ULPT)  
 Project Description The ULPT project will install laboratory test equipment that will enable DOE, and industry, to test AFBs and AFB systems (self-contained bearings with lubricants, seals and surface treatments) under conditions representative of the loads, speeds and environmental conditions that these products will experience in service (application testing). This equipment will be used to understand rolling contact fatigue (design, materials, thermal treatments), energy consumption and lubrication/seal/surface treatment performance to accumulate large bearing performance for the evaluation and construction of new designs significantly increasing energy efficiency and electricity production. At present, there is no US capability to test the large bearings and gearboxes that must be installed in the next generation wind turbines. This project is vital to the continued and increased employment in the facility located in Bucyrus, Crawford County.

Legal Citation This project will allow the US to test the large bearings and gearboxes that must be installed in the next generation wind

for Project turbines, as presently there is no capability to do this testing to  
Authorization support alternative wind energy.  
FY2008  
President's  
Budget \$0  
Request  
Amount  
Requested \$2,000,000  
Intended  
Recipient The Timken Company

Add another project

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US House of Representatives, Committee on Appropriations, 2007-2009. This work governed by 17 USC 105.