

Interim Targets: Reaching a 40% Renewable Portfolio Standard by 2030

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Hawaii Clean Energy Initiative (HCEI)

- **40% RPS by 2030**
- **100% RPS by 2045**
- **Reduce 4,300 GWh by 2030 - Efficiency**
- **New Energy in Transportation Road Map**



Progress in Key Areas

- ❑ PV accounted for \$570M, or 14% of All Construction Spending (2015)
- ❑ 5,016 Solar-Related Jobs (2015)

- ❑ 1,500 GWh EEPS Reduction (2014)
- ❑ \$435M+ Energy Performance Contracts To Date

EEPS

Economic Growth

RPS

- ❑ 24% RPS today
- ❑ 60+ Renewable Projects
- ❑ #1: US Cities PV per capita (Honolulu)

Energy Ecosystem

- ❑ 100% RPS by 2045
- ❑ HSEO Intervener in Host of PUC Dockets

Policy & Regulation

Transportation

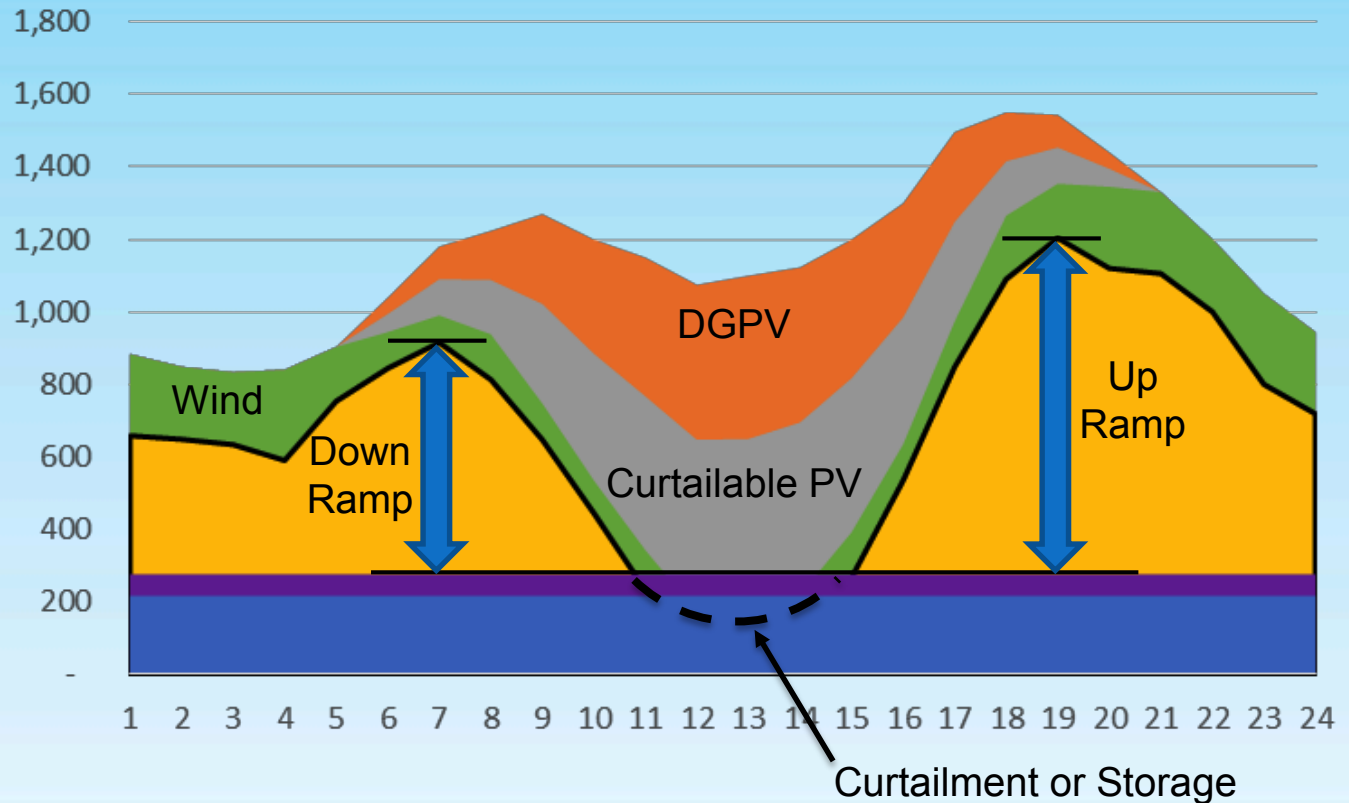
- ❑ 22 Tactics Could Cut Petroleum use by 62-72 MGY in 2030
- ❑ 4,226 EVs in HI (2016)

Innovation

- ❑ Energy Excelsator: 42 Companies
- ❑ \$15M Awarded + \$227M Follow-on Funding Raised



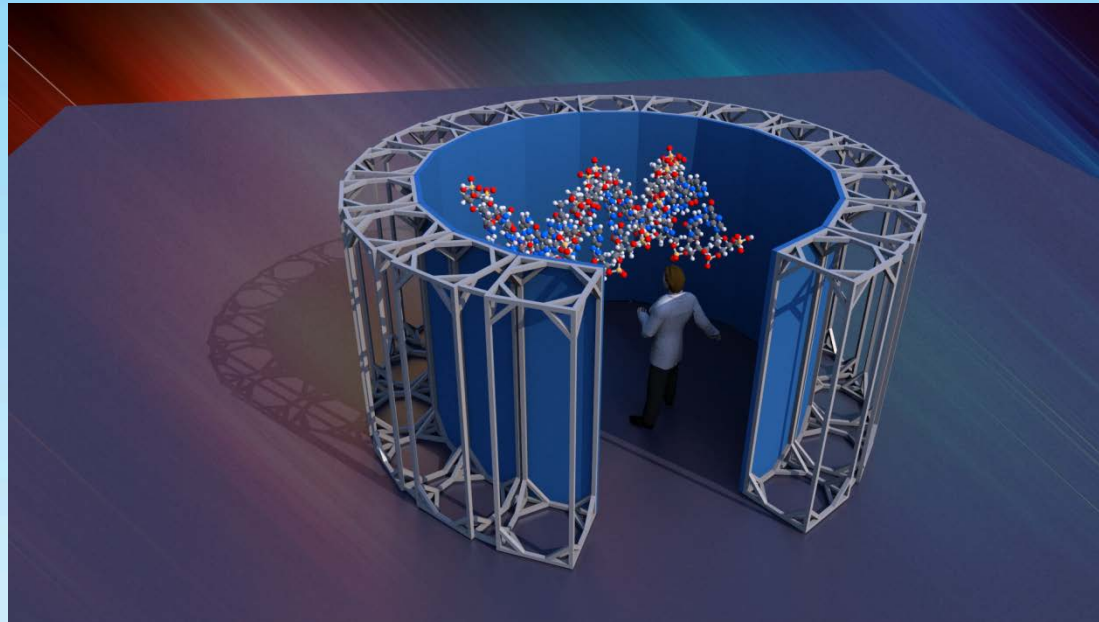
Planning For More Renewables



System operations are dependent upon the combination of resources serving the entire energy system



HSEO Collaborating with UH on Visualization Platform



- Visualization is key to understanding complex energy systems
- CyberCANOE provides for visual analysis of large amounts of data
- Innovative approach will help with utility planning optimization



Mahalo

Energy Transformation for a Better Hawaii!



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