

iWG Assessment

SWATeam Recommendation Ref #: EGen005

Date of iWG Assessment: 2/23/17

Original SWATeam Recommendation: Incorporate a building design standard into the University of Illinois at Urbana-Champaign Facilities Standards that requires all new buildings on-campus to include a rooftop solar array covering the majority of rooftop surface area.

iWG Assessment of budget and policy impacts (*check one*):

moderate budget and/or policy impact OR major budget and/or policy implications

iWG Routing Need (*check one*):

more detailed study OR transmit recommendation OR forward to Sustainability Council

iWG Routing Direction (*department name, SWATeam, or Council*): Council

iWG Recommendation: Rooftop solar should be included in the Facility Standards, with guidance developed by F&S staff, in order to maximize the effectiveness of solar installations. This should apply to new construction, major renovations, and roof improvement projects. Project scopes should include rooftop solar, as applicable, based on the guidance to be developed according to roof orientation, nearby shading, potential solar capacity, and roof construction type (e.g., gypsum would be an inappropriate roof decking for retrofitting with solar PVs). Exceptions should require a variance during the capital design review process.

Individual comments are required from each iWG member (can be brief, if member fully agrees):

iWG Member Name	iWG Member's Comments
Assoc. Director for Campus Sustainability (iSEE)	This position is currently vacant.
Morgan Johnston (F&S)	The incorporation of rooftop solar in the base scope of capital projects is viable under certain circumstances. However, there are cost implications for maintenance, both for the on-campus solar infrastructure and for the roofs under the solar PVs, including premature deterioration of roof membranes.
Robyn Deterding (Student Affairs)	I support this policy towards accomplishing our energy goals.
Matthew Tomaszewski (Provost's Office)	[Matthew supported the recommendation during the iWG meeting, but was unavailable to offer additional comments due to Master Planning meetings this week.]
Gary Kling (Academic Senate)	I am supportive of this, if the guidelines say to incorporate it only where it is reasonably practical.
Joseph Edwards (Student Sustainability Leadership Council)	I fully agree. It is an obligation for our campus to enact this policy for accomplishing our energy goals. Furthermore, the social impact of implementing wide spread roof-top solar will help to amplify the normalization of this technology for our students and within the community.
Sean Reeder (OBFS)	I agree with this recommendation.

Rob Fritz (college-level facility manager)	I support this recommendation.
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Attach any comments from subject matter experts (with names and roles).