



Arc Flash Program Quarterly Report

1 March 2017 – 31 May 2017

The Arc Flash Program will perform studies to determine the maximum electrical arc energy that an operation's personnel could be exposed to when performing work at The University of Texas at Austin. Electrical equipment will be labeled according to NFPA 70E and NEC standards. The program will address all buildings on the Main Campus and PRC.



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Summary of Fiscal Quarter

Engineer worked with electrician and zone maintenance teams to gather data and analyze electrical systems for PAI and NMS. Engineers worked with contractors to provide an analysis for RBRH, which reached final approval. Building reviews were completed for buildings WCH and GEB. Implemented recommended changes to equipment to reduce arc flash and reliability risks to existing equipment. Added or updated AFIE labels for completed buildings. Created electrical floorplan outlining panel and major electrical equipment location during building assessment. Added 400+ EQ labels to existing equipment.

Progress

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201 Total Bldgs.

Arc Flash Analysis Complete:
45

AFA Percent Complete:
22.4%

Work Accomplished

RBRH	Robert B. Rowling Hall
NMS	Neural and Molecular Science Bldg.
PAI	T.S. Painter Hall

Activities

- Worked with zone electricians to construct accurate one-lines of existing buildings.
- Coordinated with UEM engineers to construct accurate and up-to date SKM models of the electrical distribution systems.
- Reviewed for and documented existing National Electrical Code (NEC) violations.
- Created emergency lighting drawings and checked systems for functionality.
- Created ADD/Delete logs for equipment missing EQ ID's.
- Various project and electrical support.

Work Planned For Next Quarter

SZB	George I. Sanchez Building
GSB	Graduate School of Business Bldg.
CBA	College of Business Administration

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UT Buildings with SKM model (as of June 2017)		
ABBR	Bldg.#	Buildings with SKM model
BAT	0073	BATTS HALL
BEN	0081	BENEDICT HALL
BIO	0089	BIOLOGICAL LABORATORIES
BMA	0257	Blanton Museum of Art
BMC	0185	BELO CENTER FOR NEW MEDIA
BME	0136	BIOMEDICAL ENGINEERING BUILDIN
CLA	0540	LIBERAL ARTS BUILDING
CRB	0160	COMPUTATIONAL RESOURCE BUILDING
CRD	0129	CAROTHERS DORMITORY
EAS	0115	EDGAR A. SMITH BUILDING
ECJ	0985	Ernest Cockrell Jr. Hall
FAC	0605	PETER T. FLAWN ACADEMIC CENTER
FC1	0550	Facilities Center 1
GAR	0249	Garrison Hall
FNT	0242	LARRY R. FAULKNER NANO SCI AND
GDC	0152	GATES DELL COMPLEX (DCS)
GEA	0305	MARY E. GEARING HALL
GEB	0569	DOROTHY L. GEBAUER BUILDING
GWB	0645	GORDON WHITE BUILDING (GRG)
HRH	0433	RAINEY HALL
JCD	0599	JESTER DORMITORY
JES	0598	BEAUFORD H. JESTER CENTER
JON	0602	JESSE H. JONES HALL
LTD	0369	LITTLEFIELD DORMITORY
MBB	0740	MOFFETT MOLECULAR BIOLOGY BLDG
MEZ	0425	MEZES HALL
NHB	0470	NORMAN HACKERMAN BUILDING
NOA	0983	NORTH OFFICE BUILDING A
NMS	0471	Neural and Molecular Science Bldg.
PAC	0132	PERFORMING ARTS CENTER
PAI	0473	TS Painter Hall
PAT	0952	J.T. PATTERSON LABS.BLDG.
PHR	0465	PHARMACY BUILDING
RBRH		Robert B. Rowling Hall
RLM	0116	ROBERT LEE MOORE HALL
SAC	0278	STUDENT ACTIVITY CENTER
SEA	0985	SARAH M. & CHARLES E. SEAY BUI
SSB	0980	STUDENT SERVICES BUILDING
SUT	0585	SUTTON HALL
SWG	0982	SPEEDWAY GARAGE
TCC	0569	Thompson Conference Center
TNH	0601	Townes Hall
UTC	0500	UNIVERSITY TEACHING CENTER
WCH	0257	WILL C. HOGG BLDG.
WEL	0161	ROBERT A. WELCH HALL

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Team

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