Project Potential Utility Impacts Identified **BROWN UNIVERSITY** UTILITY & CRITICAL SYSTEM mpact to Campus Utilities/ **Building Systems OUTAGE PLANNING FLOW Project Planning Phase CHART** Flag for Follow-Up in Design E.O.R. Clearly Defines all Connections to Existing Utilities/ Infrastructure E.O.R. & FOE/CIS/DPS/EH&S Walk Down for Outage Impacts: Campus, Building, Other **Systems** (Work Order Request for Assistance-If Required) Rework of Infrastructure Connections Required? YES NO FOE/CIS/DPS Review for Outage Impacts **Project Design Phase** Minor (Individual System/Trades Impact) Independent Utility Outage Scope Impact Review IND/Major/Minor (EOR/CIS/DPS/FOE) (Stand-alone Building/ (Significant Impact to Building/ System Outage) Major Campus Utilities/Customers, or Multi-trades Impact) EOR Identifies all Affected Systems/ Loads Based on FOE/CIS/DPS Input, Field Inspection, **Record DWG Review** EOR Develops Draft OCL as Project Deliverable OCL Draft Review & Approval with FOE/CIS/DPS NO YES PM Incorporates EOR's Draft OCL's in Contract Documents Project Construction Kick-off Meeting (Include Outage Reviews) CM Develops Draft Outage Schedule for all Outages Contractor Finalizes Draft OCL (Scope/Date/ Time/ Affected Systems) (Optional- Walk-PM Writes W.O.s for Coordination Meeting, Update Outage Calendar PM Notifies SR & FOE PM Writes W.O.s for Coordination Meeting, *(Note: #1) Supervisors Update Outage Calendar *(Note: #1) Coordination Review Meeting Minimum 72 Hours Notification -EOR, PM, Contractors, Rep's from all Outage work preformed Affected Trades, Builders' Users (if needed) -OCL Draft Outage Impacts, Duration On-site Review Meeting/ Walkdown: -FOE/ Trade(s) -Support Required -Logistics -PM **Project Construction** -Schedule/Dates -Contractor **Phase** YES Legend OCL Draft Update Required Date/Time Availability Confirmed NO **EOR- Project Engineer of Record** PM- Brown FM Project Manager OCL Sign Off FOE- Brown FM Operations & Engineering PM Notifies: CIS- Brown Computer & Information Systems DPS- Brown Department of Public Safety -Building User (s) Minimum 2 Week Notification Outage OCL- Utility Outage Check List -FOE Scheduled CM- Project Construction Manager PM Writes Outage W.O.'s *(Note: #1) Facilities Management Outage Work Performed Operations **PM Notifies** -Service Response -Building User(s) Planning, Design & YES Other Brown Depts Construction (PD&C) Follow-Up Required? (EHS,DPS,CIS,Events,etc) -FOE NO Engineer of Record/ Outage Work Performed Contractor Complete YES Follow-Up Required? *Note #1: W.O. Support Include "Project Support" & "Building Name" in Header. Body of NO W.O. to Include Date, Time, Location to Meet, Contacts & Contact Information Complete Rev. 3/4/13