

## 2013 Code Fund Project Submittals

| ID#  | Title  | Document   |
|------|--|--|
| 1301 | AFCI Immunity with Lighting Loads  | 70   |
| 1302 | Research on the Mitigation of Residual Current/Voltage Detection in Marinas, Boatyards and Floating Buildings to a Level Below Muscular Tetanization Level | 70   |
| 1303 | Fire Protection for the Marine Environment   | 301, 302, 1925                                   |
| 1304 | Analysis of Engine Room Fire Detection and Fixed Fire Suppression Systems Aboard Watercraft  | 301, 302   |
| 1305 | Testing of Mechanical Advantage System Components at Greater than "2 person load / 600 lb"   | 1670   |
| 1306 | Development of Job Performance Requirements (JPRs) for Geographic Information Systems (GIS)  | 950  |
| 1307 | Investigation to Create Clarification of Loaded, Painted, or Corroded Sprinkler Heads Operational Integrity  | 25   |
| 1308 | Non-fire Hazard Provisions in NFPA Codes and Standards that Address Life Safety  | 101, 5000  |
| 1309 | Contemporary Configurations for Initial or Basis Fire Fighter Professional Qualifications  | 1001, 1081, 1051, 1072, 1971, 1977, 1851         |
| 1310 | Vent Valve/Line Sizing for Boiler Gaseous Fuel Systems   | 85   |
| 1311 | LP-Gas Vaporizer Spacing Review  | 58, 59   |
| 1312 | Impact of Chimney-top Appurtenances on Flue Gas Flow   | 211  |
| 1313 | Evaluating Occupant Load Factors for Ambulatory Health Care Facilities   | 101, 5000  |
| 1314 | Evaluation of Required Fire Flow Criteria in NFPA 1, Fire Code   | 1, 13R, 5000                                     |
| 1315 | Study and Analysis of Vault Type Doors - Can they be equivalent to listed fire doors?  | 80   |
| 1316 | Evaluation of PPE ESE (electronic safety equipment) Intrinsic Safety   | 1801, 1981, 1982, new project on portable radios |
| 1317 | Development of a Non-Destructive PPE Field Evaluation Method   | 1851, 1971                                       |
| 1318 | Defining the Landscape for PPE Care and Maintenance  | 1851   |
| 1319 | Development of Permeation Test Method for Zippers and Other Closures   | 1991, 1994                                       |
| 1320 | Class C Wiring Effective Requirements Investigation  | 72   |
| 1321 | Validation of the Fire Safety Evaluation Systems (FSES) in the 2013 edition of NFPA 101A, Guide on Alternative Approaches to Life Safety                   | 101A   |
| 1322 | Evaluation of the Conditions of Acceptance in NFPA 285   | 285  |
| 1323 | Swinging Doors with Builders Hardware  | 80   |
| 1324 | Recommended Distances from Recharging Station for Siting Carbon Monoxide Detection   | 720  |
| 1325 | Affects of High Air Flow on Water Based Suppression System Activation and Performance  | 13, 75, 76, 318, 750                             |
| 1326 | The Use of AFCI and GFCI with Smoke Alarms and Fire Alarm Systems  | 70   |
| 1327 | Fire Resistance Ratings of Concrete Enclosures   | 70   |
| 1328 | Hurricane Sandy Lessons Learned  | 70, 101, 110, 1600, 5000                         |
| 1329 | Hydrant Flow Testing Study   | 20, 24   |
| 1330 | Quantifying Heavy Snowfall in NFPA 58  | 58   |
| 1331 | Development of a Quantitative Risk Assessment Methodology for Mass Notification Systems  | 72   |
| 1332 | Joint NFPA/IEEE Industrial Applications Society Electric Feeder and Branch Circuit Loading Study   | 70   |
| 1333 | Adoption and Performance Assessment of NEC Article 708 – Critical Operations Power Systems   | 70, 110, 730/731, 1600                           |
| 1334 | Variability of Utility Impedance at the Electrical Service Point   | 70   |
| 1335 | National Electrical Code Article 310 Ampacity Table Investigation and Recommendations for Wire Sizing  | 70   |
|      |  |  |

| ID#  | Title  | Document  |
|------|--|---|
| 1336 | Separation Distances Between Hazardous Materials Storage/Process and Occupied Areas/Other Properties                     | 30, 30A, 30B, 54, 55, 58, 59, 61, 484, 495, 652, 1124 |
| 1337 | Substantiation of the Size of Fallout Areas for Display Fireworks  | 1123  |
| 1338 | Large Grain Silo Explosion Venting   | 61  |
| 1339 | Developing a Quantitative Method for Height and Area Limitations   | 5000  |
| 1340 | Quantitative Research on Fires in Animal Housing Facilities  | 13, 150   |
| 1341 | Cost and Feasibility of Automatic Sprinkler Systems for all Animal Housing Facilities                                    | 13, 150   |
| 1342 | Vent line manifold size and installation requirements  | 54  |
| 1343 | Vapor Mitigation Design by Water Spray Systems   | 15  |
| 1344 | Evaluation of "Alternate Equipotential Bonding Means" to Reduce Voltage Gradients in Pool Areas, Phase II                | 70  |
| 1345 | Terminal Temperature of SE / SEU / SER Cable run through Thermal Insulation  | 70  |
| 1346 | Assessment of fire safe materials for hyperbaric oxygen atmospheres  | 99  |
| 1347 | Automotive Fire Apparatus Tire Replacement   | 1911  |
| 1348 | Glass Boarding Bridges   | 415   |
| 1349 | Guide to Applying Reliability Based Decision Making to ITM Frequency for Fire Protection Systems and Equipment, Phase II | 4, 25, 72, 80   |
| 1350 | Post Fire Electrical Equipment and Electronics Evaluation  | 70  |
| 1351 | Post-Earthquake Fire Hazard Analysis and Mitigation for Residential Buildings in Midwestern US Seismic Regions           | 551, 1600, 5000                                       |