Oncor Updates -

Electric Service Guideline (ESG)

May 2017 Print

January 23, 2018
Significant Changes:

• **Clearances**
  - Swimming pools from overhead facilities
• **Underground Services**
  - Oversize PVC Conduit Raceway Fitting
  - UDG Service Meter Rack (Meter Pedestal available)
• **3-Phase Overhead Services and Underground Services**
  - Required Disconnect/Switch for 3phase Non-Residential Service

ESG is currently being revised for a New Print in 2018
Clearances

- Swimming pools from overhead facilities

<table>
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<tr>
<th>Notes:</th>
<th>Requirement:</th>
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<tbody>
<tr>
<td>A.</td>
<td>Clearance in any direction from edge of pool, diving platform, tower, water slide or other fixed pool related structure.</td>
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<tr>
<th></th>
<th>Overhead Guy or Neutral</th>
<th>Bundled or Cabled Secondary or Service</th>
<th>Open Wire Secondary or Service</th>
<th>Pole Line or Primary Conductor</th>
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<tr>
<td>A.</td>
<td>27 ft.</td>
<td>27.5 ft.</td>
<td>28 ft.</td>
<td>30 ft.</td>
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Customer to provide and install an oversized PVC conduit/raceway fitting that slips over the service lateral conduit. This fitting prevents exposure of conductors due to conduit/raceway movement due to soil expansion and contraction. Conduit inserted a minimum of 12 in. into the fitting.
6. Customer provides, installs and maintains the grounding electrode conductor, #6 Cu minimum and connection to an approved ground electrode. Company reserves the right to refuse installation of service contingent upon observing an unsafe Customer connection.

7. Alternate Design - Customer shall obtain Company approval of any alternate design prior to installation. A Meter Pedestal is an acceptable alternate design, and it must follow Company Standard Drawing 212-305. See Company for details.
Three-phase service to a non-residential structure must be equipped with a disconnecting means installed on the load-side of the three-phase metering equipment where the metering equipment is installed on a customer structure, unless prohibited by local governing authority.

Service disconnect switches and breakers are both acceptable for use as the disconnecting means. The disconnecting means must have provision for a Company lock. The disconnecting means must be readily accessible by Company and within close proximity of the meter. A 4 in. minimum clearance from the service disconnect switch operating lever is required. Customer must receive Company approval of electrical design and/or nonstandard equipment or locations prior to installation of equipment.
ESG New Print in 2018
Questions?
Energy and Green Advisory Board
Appointments

• Bruce Rachel, Architect, American Institute of Architects
• William Perry, Building Inspector, City of Mesquite
• Ashely McDaniel, Plans Examiner, City of Allen
RCCC Work Program Updates

• The 2018 Regional Codes Survey is now live and has gone out to the region
  • Time and resources in February will be used on reaching out to those who have not responded to the survey

• The Electronic Plan Submittal Subcommittee has met
  • Added a section to the Regional Codes Survey Regarding Electronic Plan Submittal

• NCTCOG is now a member of the ICC
RCCC Work Program Updates

• Potential Training Topics
  • Code adoption training for small cities
  • Construction code and politics
  • Special Inspection
  • Energy Code Changes
  • Overview of new codes
  • Inspector and Plans Examiner Training
  • Any other recommendations?
EV Infrastructure in Codes

• As electric vehicles continue to become mainstream, cities are looking for ways to incorporate EV infrastructure into city plans and codes. Codes can be amended so that new buildings and facilities (such as parking garages) are required to be constructed ready for EV charging infrastructure. These “EV Ready” building codes help cities achieve air pollution reductions and reduce costs of electric vehicle infrastructure installation.