

ACEC Minnesota Engineering Excellence Awards: **Project Categories**

See below for examples in each category for projects entered in the ACEC/MN EEA competition:

Structural Systems:

Foundations, Tunnels, Buildings, Seismic design, Towers, Bridges, Stadiums

Transportation:

Highways, Rail, Airports, Marine/ports, Public transit, Intermodal facilities

Building/Technology Systems:

Mechanical/electrical/plumbing, Computer/technology, Communications, Acoustics, Software systems, Sustainability or carbon neutrality, Efficiency certification standards, e.g. LEED®, Energy efficiency – new and retrofit, Secure facilities (military/research/correctional)

Waste and Storm Water:

Wastewater collection/treatment and disposal, Residuals management and reuse, Graywater systems, CSOs, Mine tailings, Agricultural, Storm water management, Erosion control

Water Resources:

Hydraulics, Hydrology, Surface and groundwater supply development, Treatment, Transmission, distribution & storage, Watershed management, Water use reduction, Flood risk management, Climate adaptation, Coastal and eco-system restoration, Locks/dams/water control structures , Irrigation

Energy:

Transmission and distribution, Power generation, Renewable energy, Cogeneration, Energy storage technologies, Energy usage reduction programs, Demand side management

Environmental:

Hazardous waste, Solid waste, Restoration/reclamation/remediation, Air quality, Noise, Recycling, Waste pond management, Carbon sequestration and trading, Mitigation

Industrial and Manufacturing:

Petrochemical, Biotech, Manufacturing, Heavy industry, Industrial waste, Materials handling, Mining, metallurgy, mineralogy

Special Projects:

Safety and security, Corrosion protection/cathodic protection, Program and construction management, Land development, Trenchless technologies/directional boring, Recreational facilities, Subsurface engineering

Surveying and Mapping Technology:

Geometrics, ALTA, land title and rights surveys, Control, GPS, monitoring or construction surveying, Survey mapping, GIS/LIS, photogrammetry

Studies, Research and Consulting Engineering Services:

Non-design services, projects not involving the preparation of construction documents consisting of but not limited to the following types of projects: New products, materials and technologies, Expert testimony, Basic research and studies, Computer/software technology, Technical papers, Public outreach/involvement, Water conservation, Security plans, Project feasibility studies/economic/risk, Value engineering