

GS6: San Francisco Green Building Submittal Form for Municipal Projects

Form version: March 11, 2020 (For permit applications January 2020 - December 2022)

INSTRUCTIONS:

- Select one (1) column to the right.
 - For each requirement in the column, indicate evidence of fulfillment in the References column.
 - Fill out the project information in the Verification box at the right.
 - Attach LEED Scorecard on separate, subsequent sheet.
- Submittal must be a minimum of 24" x 36".

CHECK THE ONE COLUMN THAT BEST DESCRIBES YOUR PROJECT →

**This form includes the requirements of San Francisco Green Building Code and Environment Code Chapter 7. Major Renovations as defined by Environment Code Chapter 7 also include Major Alterations as defined by SFGBC, where applicable.*

				MUNICIPAL			REFERENCES	VERIFICATION	
				<input type="checkbox"/> NEW CONSTRUCTION & MAJOR RENOVATION*	<input type="checkbox"/> COMMERCIAL INTERIORS	<input type="checkbox"/> SMALL PROJECTS	DRAWING OR SPECIFICATION # (If not applicable, indicate "N/A".)	PROJECT NAME	
				10,000 sq.ft. or greater	10,000 sq.ft. or greater	less than 10,000 sq.ft. or any not meeting LEED MPR's		BLOCK/LOT	
				GOLD (60+) CERTIFIED	GOLD (60+) CERTIFIED, LEED CI	n/r		ADDRESS	
				_____	_____	n/r		PRIMARY OCCUPANCY	
				_____	_____	n/r		BUILDING GROSS FLOOR AREA	
				•	•	•			
LEED	Required LEED Certification Level	Environment Code sec.705		Project is required to achieve sustainability certification listed at right.					
	LEED Point Adjustment for Retention/Demolition of Historic Features/Building	SFGBC 5.104		Enter any applicable point adjustments in box at right.					
	LEED Points shown on Current Scorecard			Enter current expected LEED score in box at right.					
	LEED Scorecard Submittals	Environment Code sec. 705		For projects ≥10,000 sq.ft., submit LEED Scorecard to Municipal Green Building Task Force at 100% Concept Design, Schematic Design, Design Development, Construction Documents and As-Built. For projects <10,000 sq.ft., submit LEED Scorecard to Municipal Green Building Task Force at 100% Concept Design and As-Built. LEED Online is acceptable means of submittal.					
MATERIALS	LOW-EMITTING MATERIALS	Environment Code sec.706 OR CALGreen 5.504.4.1-6	EQc2	For projects ≥10,000 sq.ft., use products that comply with LEED emissions & content requirements for paints, coatings, adhesives, sealants, flooring, composite wood, ceiling/wall/thermal/acoustic insulation, furniture if part of scope, and exterior applied products if healthcare or school project. For projects <10,000 sq.ft., use products that comply with the emission limit requirements of 5.504.4.1-6 for adhesives, sealants, paints, coatings, carpet systems including cushions and adhesives, resilient flooring (80% of area), and composite wood products.			LEED EQc2 (3 pts)	LEED EQc2 (3 pts)	5.504.4.1-6
	CARPET	Regulation #SFE 207 8-01-PPO		Carpet must be commercial hard-backed carpet tiles and: 100% solution-dyed Type 6 or 6.6 cationic nylon; Cradle to Cradle Certified Silver; CRI Green Label Plus; hold Environmental Product Declaration & Health Product Declaration or equivalent; and contain <100 ppm antimicrobials & no flame retardants, PFAS, fly-ash, PVC, polyurethane, or synthetic styrene butadiene latex. Tile adhesive must meet CRI Green Label Plus or California Specification 01350. Tile tape adhesive must also be C2CPII Material Health Certificate (MHC) certified Bronze. Wet adhesives must also be C2CPII MHC Silver and contain <50g/l VOC.			•	•	•
	PVC ELIMINATION	Environment Code sec.509		Specify no materials containing PVC.			•	•	•
	LEAD ELIMINATION	Environment Code sec.711		Specify no materials containing lead.			•	•	•
	TROPICAL HARDWOOD & VIRGIN REDWOOD BAN	Environment Code ch.8		Specify no tropical hardwoods or virgin redwoods.			•	•	•
WATER	INDOOR WATER USE REDUCTION	Environment Code sec.706, CALGreen 5.303.3	BD+C/ID+C: WEp2/WEp1 WEc2/WEc1	Meet flush/flow requirements for: toilets (1.28gpf); urinals (0.125gpf wall, 0.5gpf floor); showerheads (1.8gpm); lavatories (1.2gpm private, 0.5gpm public/common); kitchen faucets (1.8gpm); wash fountains (1.8gpm); metering faucets (0.2gpc); food waste disposers (1gpm/8gpm). Additionally, for projects ≥10,000 sq.ft., use minimum 30% less potable water as calculated using a baseline with toilets (1.6gpf); urinals (1.0gpf); showerheads (2.5gpm); lavatories (2.2gpm private, 0.5gpm public); kitchen faucets (2.2gpm).			LEED WEp2, LEED WEc2 (2 pts)	LEED WEp1 LEED WEc1 (4 pts)	5.303.3
	NON-POTABLE WATER REUSE	Health Code art.12C	WEc2	New buildings ≥40,000 sq.ft. must calculate a water budget. New buildings ≥250,000 sq.ft. must treat and use available rainwater, graywater, and foundation drainage for toilet and urinal flushing and irrigation.			•	n/r	n/r
	WATER-EFFICIENT IRRIGATION	Administrative Code ch.63	WEp1, WEc1	New construction projects with aggregated landscape area ≥500 sq.ft., or existing projects with modified landscape area ≥1,000 sq.ft., shall use low water use plants or climate appropriate plants, restrict turf areas and comply with Model Water Efficient Landscape Ordinance restrictions by calculated ETAF ≤.45 or by prescriptive compliance for projects with ≤2,500 sq.ft. of landscape area.			•	•	•
	WATER METERING	CALGreen 5.303.1	WEc4	For area of project, provide submeters for spaces projected to consume >1,000gal/day (or >100gal/day in buildings >50,000 sq.ft.).			•	•	•
ENERGY	ZERO ONSITE OPERATIONAL EMISSIONS	Environment Code sec 706(d)(7)		Municipal new construction and major renovation projects which apply for building permit on or after January 1, 2020 must be all-electric. Exceptions when necessary are available for: Processes separate from building systems such as vehicle fueling, existing equipment outside project scope, or fossil fuel-based emergency backup generation.			•	n/r	n/r
	ENERGY PERFORMANCE	Environment Code sec.706, CA Energy Code, SFGBC 5.201	EAp2, EAc2	For projects ≥10,000 sq.ft., produce a whole-building energy simulation, or follow ASHRAE 50% Advanced Design Guide, or follow Advanced Building Core Performance Guide. Achieve energy use below established baseline by 5% for New Construction, 3% for Major Renovations, 2% for Core & Shell, 3% for Commercial Interiors. Commercial Interiors alternate compliance – reduce lighting power density by 5% below ASHRAE 90.1-2010 and install ENERGY STAR equipment for 50% of all eligible ENERGY STAR equipment. In the event a project receives a waiver allowing the use of natural gas in building systems, reduce energy use at least 10% compared to Title 24 2019.			LEED EAp2	LEED EAp2	Comply with Title 24 (2019)
	ENERGY TARGET	Environment Code sec.706	EAc2	Set target for annual energy consumption. Reporting required to Municipal Green Building Task Force. See Environment Regulations for guidance, tools and methods.			•	n/r	n/r
	ZERO NET ENERGY FEASIBILITY	Environment Code sec.706	EAc2	Determine feasibility to achieve Zero Net Energy (≤3 stories). Reporting required to Municipal Green Building Task Force. See Environment Regulations for guidance, tools and methods.			•	n/r	n/r
	PV + ENERGY STORAGE BENEFIT/COST ANALYSIS	Environment Code sec.706	EAc2, EAc5	Analyze benefits and costs of solar plus battery storage capable of supplying electrical systems essential to serve the community in event of disaster. Reporting required to Municipal Green Building Task Force. See Environment Regulations for guidance, tools and methods.			•	n/r	n/r
	BETTER ROOFS	Planning Code sec.149, SFGBC div.5.2	EAc2 or various	New buildings with ≤10 floors must designate 15% of roof Solar Ready, per Title 24 rules. Install photovoltaics or solar hot water systems in this area. With Planning Department approval, projects subject to SFPUC Stormwater Requirements may substitute living roof for solar energy systems.			•	n/r	if new construction ≥2,000 sq.ft.
	RENEWABLE ENERGY	SFGBC 5.201.1.3	EAc2, EAc5	New buildings ≥11 floors must acquire renewable onsite energy or achieve 5 points under LEED credit Optimize Energy Performance (EAc2).			•	n/r	n/r
COMMISSIONING (Cx)	Environment Code sec.706 OR CALGreen 5.410.2-5.410.4.5.1	EAp1, EAc1	For projects ≥10,000 sq.ft., comply with LEED Cx requirements – OPR, BOD, systems testing, operations manual, and Enhanced and Monitoring-Based Commissioning. For projects <10,000 sq.ft. and all new equipment in alterations & additions, comply with 5.410.2-5.410.4.5.1 – test and adjust all equipment.			LEED EAp1, LEED EAc1 (3+ pts)	LEED EAp1, LEED EAc1 (4+ pts)	5.410.2-5.410.4.5.1	
PARKING	BICYCLE PARKING	Planning Code sec.155.1-3, CAL Green 5.106.4	LtC6	Provide short- and long-term bike parking equal to 5% of motorized vehicle parking, or meet SF Planning Code sec.155.1-3, whichever is greater.			•	•	5.106.4
	DESIGNATED PARKING	CALGreen 5.106.5.2	LtC7	If >10 total stalls added, comply with Table 5.106.5.2 (approx. 8% of total spaces).			•	•	•
	WIRING FOR EV CHARGING	SFGBC 5.106.5.3	LtC8	Construct all new off-street parking spaces for passenger vehicles and trucks with dimensions capable of installing EVSE (SFGBC 5.106.5.3). Install service capacity and panelboards sufficient to provide ≥40A 208 or 240V to EV chargers at 20% of spaces. Install ≥40A 208 or 240V branch circuits to ≥10% of spaces, terminating close to the proposed EV charger location. Installation of chargers is not required, but Admin Code 4.10-1 requires 100% of purchases and leases of light duty vehicles for municipal use to be ZEV. Projects with zero off-street parking exempt. See SFGBC 5.106.5.3 for details. Permit applications prior to January 2018: Install electrical systems to provide electricity for EV chargers at 6% of spaces per CalGreen 5.106.5.3.			new construction, or (per SFGBC) major alteration ≥25k sq ft	n/r	if new construction
RESOURCE RECOVERY	RECYCLING BY OCCUPANTS	Environment Code sec.707	MRp1	Provide adequate space and equal access for storage, collection and loading of compostable, recyclable and landfill materials.			•	•	•
	CONSTRUCTION & DEMOLITION (C&D) DISCARDS MANAGEMENT	Environment Code sec.706, 708 & ch.14; SF Building Code ch.13B, CalGreen 5.405.1.1	BD+C/ID+C: MRp2/MRp2 MRc5/MRc6	100% of mixed debris must be taken by a Registered Transporter to a Registered Facility and be processed for recycling. Divert a minimum of 75% of total C&D debris. See www.sfdbi.org for additional information.			LEED MRp2, LEED MRc5	LEED MRp2, LEED MRc6	75% diversion
HVAC	REFRIGERANT MANAGEMENT	CALGreen 5.508.1	EAp4	Use no halons or CFCs in HVAC.			•	•	•
GOOD NEIGHBOR	LIGHT POLLUTION REDUCTION	CA Energy Code, CALGreen 5.106.8	SSc6	Comply with CA Energy Code for Lighting Zones 1-4. Comply with 5.106.8 for Backlight/Uplight/Glare.			if new construction	n/r	if new construction
	BIRD-SAFE BUILDINGS	Planning Code sec.139	pilot credit	Glass facades and bird hazards facing and/or near Urban Bird Refuges may need to treat their glass for opacity.			•	•	•
	TOBACCO SMOKE CONTROL	Health Code art.19F & art.19I, CALGreen 5.504.7	EQp2	Prohibit smoking within 25 feet of building entries, air intakes, and operable windows.			•	•	•
	SHADE TREES	CALGreen 5.106.12	SSc5	Plant trees to sufficient to provide shade within 15 years for 20% of landscape and hardscape area, including parking. Exclude shade structures covered by photovoltaics or cool roof materials from total area calculation.			•	n/r	n/r
POLLUTION PREVENTION	STORMWATER CONTROL PLAN	Public Works Code art.4.2 sec.147	SSc4	Projects disturbing ≥5,000 sq.ft. in combined or separate sewer areas, or replacing ≥2,500 impervious sq.ft. in separate sewer area, must implement a Stormwater Control Plan meeting SFPUC Stormwater Management Requirements.			if applicable	if applicable	if applicable
	CONSTRUCTION SITE RUNOFF	Public Works Code art.4.2 sec.146	SSp1	Submit a construction site Erosion and Sedimentation Control Plan to SFPUC for approval.			if project disturbs ≥5,000 sq.ft.	if project disturbs ≥5,000 sq.ft.	if project disturbs ≥5,000 sq.ft.
INDOOR ENVIRONMENTAL QUALITY	ACOUSTICAL CONTROL	CALGreen 5.507.4.1-3	EQc9	Comply with sound transmission limits (STC-50 exteriors near freeways/airports; STC-45 exteriors if 65db Leq at any time; STC-40 interior walls/floor-ceilings between tenants).			•	limited to envelope alterations & additions	•
	AIR FILTRATION - CONSTRUCTION	CALGreen 5.504.1-3	EQc3	Seal permanent HVAC ducts/equipment stored onsite before installation.			•	•	•
	AIR FILTRATION - OPERATIONS	CALGreen 5.504.5.3		Provide MERV-13 filters on HVAC for regularly occupied, actively ventilated spaces.			•	•	•
	ENHANCED IAQ STRATEGIES	Environment Code sec.706	EQc1	Comply with entry, cross-contamination, filtration, natural ventilation, mixed-mode requirements.			LEED EQc1 (1 pt)	LEED EQc1 (1 pt)	n/r
	CONSTRUCTION IAQ MANAGEMENT PLAN	Environment Code sec.706	EQc3	During construction, meet SMACNA IAQ guidelines; provide MERV-13 filters on all HVAC.			LEED EQc3	LEED EQc3	n/r
IAQ ASSESSMENT	Environment Code sec.706	EQc4	Before occupancy, test air quality for particulates, ozone, CO, and all listed VOCs.			LEED EQc4 (2 pts)	LEED EQc4 (2 pts)	n/r	

LEED PROJECTS
Projects ≥10,000 square feet

I understand Environment Code Chapter 7 requires all applicable projects ≥10,000 square feet to attain LEED Gold certification from USGBC/GBCI. No Green Building Compliance Professional of Record is required.

PROJECT MANAGER (name)

PROJECT MANAGER (sign & date)

PROJECT MANAGER AGENCY

NON-LEED PROJECTS
Projects <10,000 square feet, receiving a waiver, or not meeting LEED MPR's

This project is not required to obtain LEED certification because it is <10,000 square feet, does not meet LEED Minimum Program Requirements, and/or received a waiver from Environment Code Chapter 7 from the Director of Department of Environment. An informational LEED scorecard will be submitted to the Municipal Green Building Task Force at 100% concept design and as-built without requirement for further LEED documentation or certification.

PROJECT MANAGER (name)

PROJECT MANAGER (sign & date)

PROJECT MANAGER AGENCY

Green Building Compliance Professional of Record

I have been retained by the project sponsor to review all submittal documents and verify that all approved construction documents and construction fulfill the requirements of the San Francisco Green Building Code. It is my professional opinion that the requirements of the San Francisco Green Building Code will be met. I will notify the Department of Building Inspection if the project will, for any reason, not substantially comply with these requirements, if I am no longer the Green Building Compliance Professional of Record for the project, or if I am otherwise no longer responsible for assuring the compliance of the project with the San Francisco Green Building Code.

LICENSED PROFESSIONAL (sign & date)

AFFIX STAMP BELOW: