

date

09.17.2020

presentation

the role of planners and designers in meeting climate and environmental action plan goals

A photograph of a modern, multi-story building with a large water feature in the foreground. The building has a grid-like facade with many windows, some of which are illuminated from within. In the foreground, there is a large, shallow water feature with a concrete edge. To the right, there are tall, thin grasses. The sky is a pale, hazy blue, suggesting dusk or dawn. The overall scene is a blend of urban architecture and natural elements.

planning and design
for climate adaptation
and resilience



buildings

Dallas' buildings are energy efficient and climate resilient

- canopy for heat island mitigation
- native and low maintenance planting
- high albedo materials
- vegetative roofs



energy

Dallas generates renewable, reliable, and affordable energy

- energy from organics
- solar innovations for buildings and site
- wind and other passive generators



transportation

Dallas' communities have access to sustainable, affordable transportation options

- bike and pedestrian network connectivity
- transit-first mile/last mile
- autonomous transport innovations



waste

Dallas is a zero waste community

- incentives for circular waste management
- recycling industry master plan
- waste generation tracking



water

Dallas protects its water resources and its communities from flooding and drought

- condensate utilization
- expansion of reclaimed wastewater systems
- shared use multi-benefit stormwater management
- native landscape systems



green space

Dallas protects and enhances its ecosystems, trees, and green spaces that, in turn, improve public health

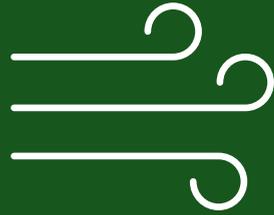
- ephemeral stream restoration zones
- riparian buffer restoration
- enhanced parks and trails to maximize externalities
- connectivity and view corridor enhancements



food

all Dallas communities have access to local, healthy food

- underutilized impervious surface conversion to urban agriculture
- neighborhood agri-parks
- prioritized food desert reduction

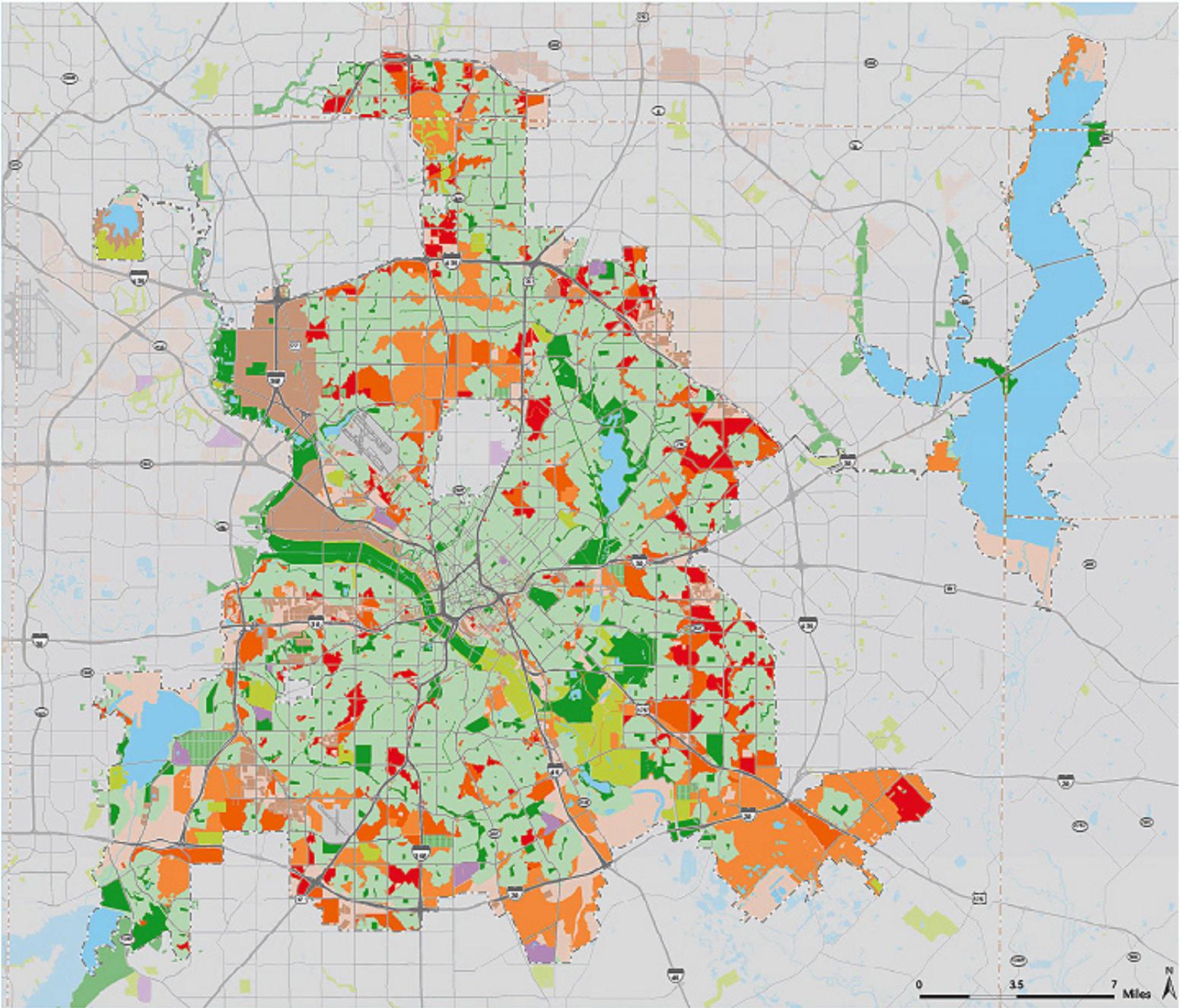


air quality

all Dallas communities breathe clean air

- bike and ped network enhancements
- healthy building codes
- site design for efficient air flow and biofiltration
- transit and remote work incentives

city of dallas initiatives

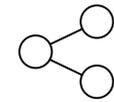


tbg initiatives

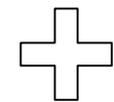
social



cultural



connectivity



health



jurisdictional

environmental



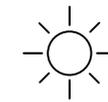
water



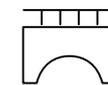
terrain



vegetation



climate



infrastructure

economic



market



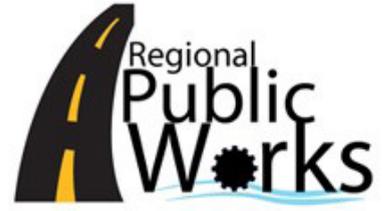
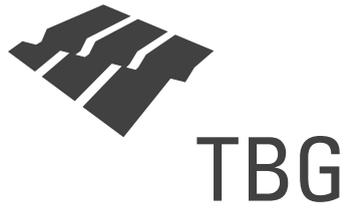
funding



cost benefit



budget



thank you