



Building at the Site: Idaho Falls Campus Facilities

May 2023

Changing the World's Energy Future

Bradley Greg Cramer



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Senior Campus Master Planner

Idaho Falls Campus Facilities

Battelle Energy Alliance manages INL for the
U.S. Department of Energy's Office of Nuclear Energy



Idaho National Laboratory

MK Simpson Blvd- *the Research and Education Campus (REC) Before and After*



2003



Today

Current REC Facilities

NEW and EXPANDED SCIENTIFIC CAPABILITIES

- **CAES** - research, education and innovation consortium focused on solving broad energy challenges
- **UB Buildings** – dedicated to closing energy security gaps and home to ICS-CERT
- **ESL** – energy storage, advanced vehicle battery analysis, hybrid energy systems and energy system resiliency
- **EIL** - houses 127 flexible laboratory space modules that allows researchers to advance nuclear energy and other energy and environmental research
- **CIC** – enables focus on scalable and sustainable control system cybersecurity solutions that protect the U.S. grid, other critical infrastructure and military systems
- **C3** - modern, high-performance computing environment where INL researchers explore computer modeling and simulation to develop new nuclear materials, advance nuclear energy concepts

Utility Corridor Becomes M-K
Simpson Blvd



36,802 Sq Ft

2005

128,133 Sq Ft



IF-680 UB-1



IF-682 UB-3



IF-681 UB-2



IF-684 UB-4

220,837 Sq Ft



IF-685 ESL



IF-688 EIL

2010

2015

2020



IF-691 CIC



IF-692 C3

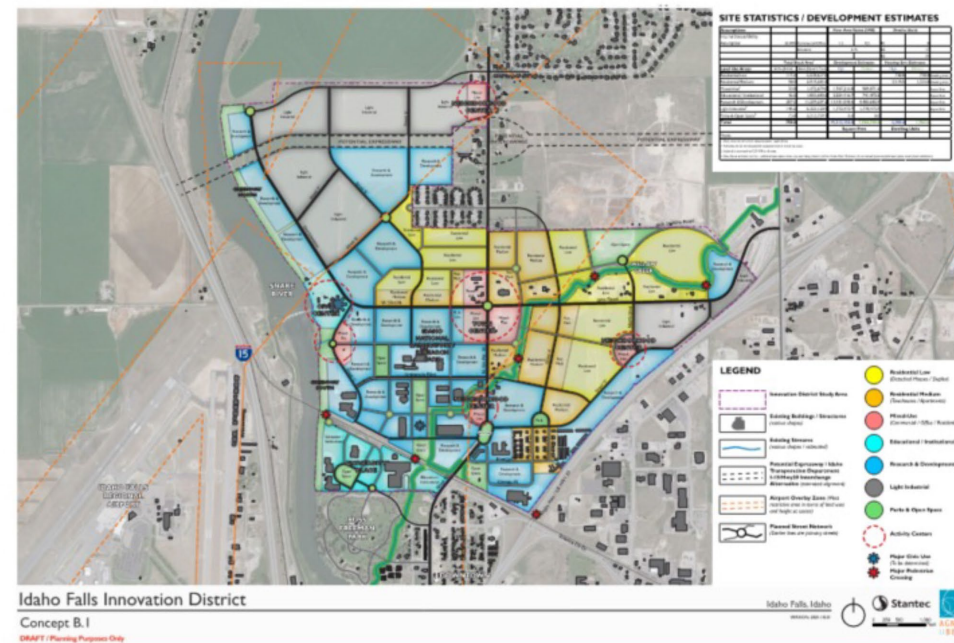
INL Support of Innovation District Efforts



Snake River Basin Innovation District Concept

IDAHO FALLS Concept Master Plan

SNAKE RIVER INNOVATION DISTRICT



The Snake River Innovation District concept master plan creates usable, walkable, active spaces that attract workers, employers, students and residents into the District.

- Parks, plazas and gathering areas provide civic and collaborative public spaces, while pathways and sidewalks connect buildings that are near each other to encourage interaction.
- Education institutions and concentrations of R&D facilities and buildings support learning, research, entrepreneurship, manufacturing, business development and applied technology activities.
- Recreation opportunities along the Snake River and Willow Creek, town and neighborhood centers that provide services, retail, dining and entertainment and an array of housing opportunities all support a lively, integrated "18-hour" District.
- Outlying areas of the district are reserved for larger-scale manufacturing and corporate campuses and offices, and future expansion.
- Infrastructure investments in communications, circulation and other services make it easy to develop and move around the District.

KEY PROJECTS

To move forward, several key investments are critical to the Snake River Innovation District's success. Proposed priority projects that partners have elevated and are pursuing include:

- Additional R&D infill investments
- Infill and development of other land use according to the concept plan
- Pedestrian railroad crossing
- Complete continuous Riverwalk corridor (including railroad crossing)
- Preservation for Willow Creek Greenway
- Shared parking agreements and structured parking
- Willow Creek Town Center development
- Riverfront plaza/amphitheater event area
- Installation of roundabouts and circulation upgrades
- Preferred alignment for highway interchange
- Reconfiguration, over time, of ISU/UCI campus around a small "quad"-style design

RIVERFRONT GATHERING AND EVENT SPACE

District development along the Snake River should celebrate natural spaces and aesthetics while also providing flexible multi-use event space and world-class recreation opportunities.



Credits: Illustration from top left: Kory Photography; POC.com; Illustration.com; Urban River by San Antonio CO

HOUSING

District housing should focus on providing a mix of options that can include condos, townhomes, apartments or cottages. Housing may range from single-story to three- or four-story designs in order to provide options for a range of lifestyles and maintain compact, walkable neighborhoods.



Credits: Illustration from top left: University City Housing; Photo: POC.com; Urban River by San Antonio CO

TOWN CENTER

The town center will feature a mix of retail, dining and other businesses, nearby to housing and include pathway, park or plaza space. This mixed-use area will be designed to encourage comfortable pedestrian experiences while still being accessible by vehicle.



Credits: Illustration from top left: Kory Photography; POC.com; Illustration.com; Urban River by San Antonio CO

MOBILITY INFRASTRUCTURE

The concept master plan aims for safe and convenient integration of all mobility modes including pedestrians, cyclists, transit riders and motorists in a fashion that does not limit their ease of access.

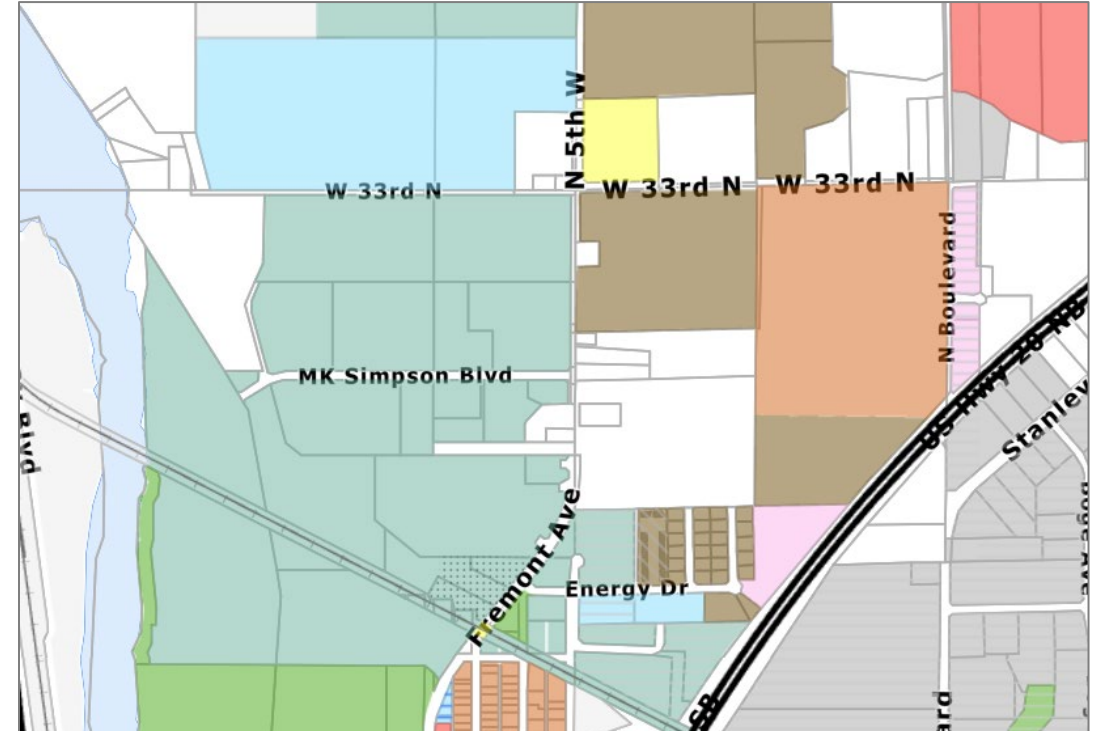


Credits: Illustration from top left: Kory Photography; POC.com; Illustration.com; Urban River by San Antonio CO

Planning and Current Conditions



Innovation District Concept



Current City Zoning



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