

# Exhibit to Agenda Item #1

Provide the Board an informational briefing on President Biden's Energy Plan.

Board Strategic Development Committee and Special SMUD Board of Directors Meeting

Tuesday, April 6, 2021, scheduled to begin at 5:30 p.m.

Virtual Meeting (online)

# President Biden's Climate and Infrastructure Bill

## Contents/Agenda:

- Campaign Proposal
- House Climate and Infrastructure Bills
- “Recovery” Part 1
- Questions

# Biden Campaign Climate Proposal

- Net-zero emissions by 2050
- 100% clean power sector by 2035 (CES - Clean Energy Standards)
- Invest in infrastructure
- Innovation, buildings, electric vehicles (EVs)
- Environmental Justice (EJ) / job creation focus
- Political influence of Green New Deal (GND) activists

## Highlights & Details:

- Leverage federal procurement
- Rulemakings: Corporate Average Fuel Economy standards (CAFÉ), biofuels, appliance and building standards
- Advanced Research Projects Agency for Climate (ARPA-C) focused on storage, Small Modular Reactors (SMRs), refrigerants, net zero buildings, hydrogen, industrial heat, agriculture, carbon capture and sequestration/storage (CCS)
- Restore full EV credit
- Consider agriculture, housing policy
- Global leadership (Paris, Kigali), China trade policy, global ban on fossil fuel subsidies, climate as national security issue

# House Climate & Infrastructure Bills

## Climate Leadership and Environmental Action (CLEAN) Future Act

- CES, transmission, grid upgrades, distributed energy resources (DER) loan program, model building codes, transportation electrification, \$100b Green Bank, EJ provisions
- Democrat-only, not designed for reconciliation

## Growing Renewable Energy and Efficiency Now (GREEN) Act

- Production tax credit/investment tax credit (PTC/ITC) extension, clean energy incentives, EV credit improvements, green workforce credit

## Leading Infrastructure for Tomorrow's (LIFT) America Act

- Grid upgrades, EV infrastructure, broadband, drinking water infrastructure
- Overlap with CLEAN Future Act

## Moving Forward Act (H.R. 2)

- Advance refunding fix, surface transportation policy and authorization, water authorizations, broadband, public power/coop grants for storage & clean microgrids, community solar grants, EV credit

# President Biden's Recovery Proposal

**\$2.25 Trillion over 8 years | \$2 Trillion in corporate taxes over 15 years**

**\$100 Billion for Clean Energy**

- Energy Efficiency and Clean Energy Standard
- 10-year direct pay ITC/PTC extension + storage
- ITC for high-voltage transmission lines, Department of Energy (DOE) Grid Deployment Authority
- 15 hydrogen demonstration plants, 10 CCS demonstrations
- Clean Energy Block Grants

**\$174 Billion for EV rebates, incentives, grants**

**\$180 Billion for ARPA-C, National Science Foundation (NSF), other tech, and research and development (R&D)**

**\$27 Billion Clean Energy and Sustainability Accelerator (DER, building retrofits, focus on EJ)**

# SMUD's Grants Strategy

## 2021:

- Reorient grants focus on federal funding supporting Zero Carbon by 2030
  - 2030 Technical Teams – Grants Leadership Group
- Apply to existing Funding Opportunity Announcements (funded in FY21)
- Support increased appropriations for new/existing grant programs (FY22)
- Introduce Administration officials to SMUD, build buzz around 2030 Plan

## 2022-2030:

- Support appropriations process around specific grant programs
- Continue dialogue and relationships with Administration officials
- Increase early awareness of grant opportunities and apply

# Questions

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Larry Luong, SMUD Federal Affairs