



COST SAVINGS: NEW SOLAR APPLICATION PORTAL

PRESENTED BY:

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Informational Update

OBJECTIVES & TAKEAWAYS



- **PRESENT OUR NEW SOLAR APPLICATION PORTAL**
- **DEVELOPED WITH STAKEHOLDER FEEDBACK**
- **SHARE COST SAVINGS & BENEFITS**

AGENDA



- **NEW SOLAR PORTAL**
- **SOLAR APPLICATION PROCESS**
- **STAKEHOLDER FEEDBACK**
- **BENEFITS & COST SAVINGS**

NEW SOLAR PORTAL



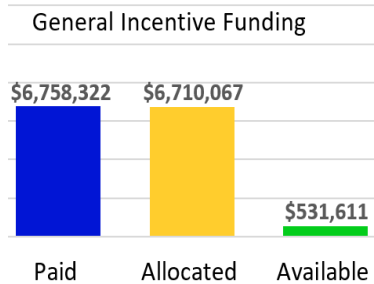
- New tool for solar interconnection and rebate applications
- Manages in-take and workflows across multiple business areas
- Replaces a manual, paper intensive process



Illustration of paper used for 50 solar applications

**Efficiency gains are meaningful as we receive
300-500 solar applications per month**

SOLAR APPLICATION PROCESS



Solar Team receives applications and tracks funding availability



DG Team reviews and approves electric designs



DG Team inspects and commissions each solar system



Solar Team processes rebate and finalizes projects

Solar interconnection requires coordination and input from multiple parties throughout the process

DEVELOPMENT PROCESS



- Automation project kicked off in Feb. 2019
- Internally developed in partnership with our Digital Experience team
- The portal is a Java-based web application
- All information is securely stored, utilizing web and security standards applicable to all CPS Energy portals

A screenshot of a web form titled "NEW SOLAR REQUEST" with a "PDF VIEW" button in the top right corner. The form is divided into two main sections: "Solar Program Registration Form" and "System Information".
Solar Program Registration Form
This section contains a paragraph of introductory text: "This form is to be submitted in advance of pursuing a solar system installation in CPS Energy service territory. The information requested here will be used to establish an account for submitting required program documentation and for scheduling site visits/audits, and commissioning tests. You will receive registration confirmation within 3 business days of submittal."
Below the text are several input fields:
- "Customer / Business Name:" followed by a long text input field.
- "CPS Energy Account Number:" followed by three separate input fields for digits.
Address
This section contains fields for:
- "Street Number:" and "Street Name:" (two text input fields).
- "Apartment/Suite Number:" (a text input field with "Optional" written below it and a note: "(Only enter the numbers and/or letters for your Apt, Suite, Trailer, Lot, Unit etc.)").
- "City:" and "State:" (two text input fields).
- "Zip Code:" (a text input field).
System Information
This section contains various radio button and text input fields:
- "Type Of System:" with "Solar PV" selected.
- "Installation Type:" with "Commercial" and "Residential" options, "Residential" selected.
- "Solar PV Array Type:" with "Fixed", "1-Axis", and "2-Axis" options, "Fixed" selected.
- "Solar PV Mount Type:" with "Roof", "Ground", and "Both" options, "Ground" selected.
- "Is this an upgrade to an existing system?:" with "Yes" and "No" options, "No" selected.
- "Rebate to be pursued?:" with "Yes" and "No" options, "No" selected.
- "Are you using local Panels?:" with "Yes" and "No" options, "No" selected.
- "Rebate Amount Estimate \$:" (text input field).
- "Nameplate Size - kW DC:" (text input field).
- "Total Gross System Cost before Rebate \$:" (text input field).
- "KWh Savings Estimate:" (text input field).
- "Price Per Watt \$:" (text input field).
- "Date Application Submitted:" (text input field containing "10/22/2019").

STAKEHOLDER FEEDBACK



- Feedback from solar installers was incorporated throughout the development process
- We organized multiple feedback sessions with solar installers
- Installers helped us test the system prior to go-live
- We also hosted trainings sessions for all 80 registered installers



Solar installer feedback session
on 2/20/19

Since December, 100% of solar applications are now being submitted electronically through the portal

BENEFITS/COST SAVINGS



The portal creates efficiencies and enhances the customer experience

- ✓ Reduces data entry by 50 hours per month
- ✓ Eliminates printing and paper storage
- ✓ Shortens application turnaround by 10 days
- ✓ Provides real time status updates
- ✓ Reduces incoming calls from installers

Annual Cost Savings/ Value Created	
Labor	\$25,000
Printing supplies	\$20,000
Storage & Software Licenses	\$30,000
Total	\$75,000

“The portal is user friendly and makes it easy to keep track of projects” – Solar Installer

LOOKING AHEAD



- We'll be back in March for Part 2 of this presentation
- We'll be sharing additional details on the status of the solar rebate program & activity levels



Thank You