

1. Power Commission Meeting Materials

Documents:

[PACKET.PDF](#)
[AGENDA.PDF](#)



MEETING NOTICE AND AGENDA

Notice is hereby given that the Kaysville City Power Commission will hold a regular meeting on Tuesday, June 6, 2017 starting at 7:00 p.m. in the Police Station Conference Room 80 North Main Street, Kaysville, Utah. NOTE: Temporary Venue Change (Due to a Special City Council Meeting in the City Council Room at City Hall).

The agenda shall be as follows:

1. Opening Ceremonies.
2. Model Review.
3. Solution Presentation
4. Other Discussion Items for Upcoming Meetings.
5. Approval of Minutes.
6. Call to the Public.
7. Adjournment.

Kaysville City is dedicated to a policy of non-discrimination in admission to, access to, or operations of its programs, services or activities. If you need special assistance due to a disability, please contact the Kaysville City Offices at (801) 546-1235.

I hereby certify that I posted a copy of the foregoing Notice and Agenda at City Hall.

Stacie Harward

Stacie Harward
Administrative Assistant
Kaysville City Power Department

RMP Tariff		
	May-Sep	
Block 1	0 - 400	0.088498
Block 2	401 - 1000	0.115429
All Additional	>1000	0.144508
Customer Charge		\$6.00
Energy Tax		
	Oct-Apr	
First	0 - 400	0.088498
All Additional	> 400	0.107072
Customer Charge		\$6.00

		kWh	1st tier	2nd tier	other tier	Billed Amount
January	8.06%	888	\$35.40		\$52.23	\$93.62
February	7.61%	838	\$35.40		\$46.89	\$88.29
March	6.77%	745	\$35.40		\$36.95	\$78.35
April	6.59%	726	\$35.40		\$34.91	\$76.31
May	6.90%	760	\$35.40	\$41.53	\$0.00	\$82.93
June	10.31%	1,136	\$35.40	\$69.26	\$19.59	\$130.25
July	12.03%	1,324	\$35.40	\$69.26	\$46.88	\$157.54
August	10.95%	1,205	\$35.40	\$69.26	\$29.69	\$140.35
September	8.16%	898	\$35.40	\$57.52	\$0.00	\$98.92
October	6.76%	744	\$35.40		\$36.83	\$78.23
November	7.17%	789	\$35.40		\$41.65	\$83.05
December	8.68%	956	\$35.40		\$59.54	\$100.94
		11,009	\$424.79	\$306.82	\$405.15	\$1,208.76

Current Rates				Proposed Rates		
First	1000	0.0907		Between 5pm-9pm	0.12747	
All Additional		0.1095		All other	0.06487	
Energy Tax				Customer Charge	8.00000	
Minimum Charge		\$5.00				
kWh	1st tier	2nd tier	Billed Amount	kWh	kWh 5-9pm	Billed Amount
888	\$80.52	\$0.00	\$80.52	888	244	\$80.84
838	\$76.00	\$0.00	\$76.00	838	230	\$76.75
745	\$67.58	\$0.00	\$67.58	745	205	\$69.14
726	\$65.85	\$0.00	\$65.85	726	199	\$67.57
760	\$68.91	\$0.00	\$68.91	760	209	\$70.34
1,136	\$90.70	\$14.84	\$105.54	1,136	312	\$101.18
1,324	\$90.70	\$35.52	\$126.22	1,324	364	\$116.67
1,205	\$90.70	\$22.50	\$113.20	1,205	331	\$106.91
898	\$81.48	\$0.00	\$81.48	898	247	\$81.71
744	\$67.48	\$0.00	\$67.48	744	204	\$69.05
789	\$71.56	\$0.00	\$71.56	789	217	\$72.74
956	\$86.72	\$0.00	\$86.72	956	262	\$86.45
11,009	\$938.19	\$72.87	\$1,011.06	11,009	3,022	\$999.36
				Change from Current		-1.16%
				Compared to RMP		-17.32%

Net-Zero Solar Customer (East or South-facing -- no peak backfeeding occuring) **CURRENT RATES**

First	1,000	0.0907
All Additional		0.1095
Energy Tax		
Minimum Charge		\$5.00
Array Size (kW)		7
Backfeed Rate		0.09070
Peak Backfeed rate		0.09070

kWh	1st tier	2nd tier	kWh 5-9pm	PV Prod	Sun-Hours	PV Credit	Billed Amount	Total Bill
888	\$80.52	\$0.00	244	543	2.5	(\$49.20)	\$80.52	\$31.32
838	\$76.00	\$0.00	230	490	2.5	(\$44.44)	\$76.00	\$31.56
745	\$67.58	\$0.00	205	868	4	(\$78.73)	\$67.58	-\$6.15
726	\$65.85	\$0.00	199	1,008	4.8	(\$91.43)	\$65.85	-\$20.58
760	\$68.91	\$0.00	209	1,172	5.4	(\$106.28)	\$68.91	-\$32.37
1,136	\$90.70	\$14.84	312	1,176	5.6	(\$106.66)	\$105.54	\$3.88
1,324	\$90.70	\$35.52	364	1,215	5.6	(\$110.22)	\$126.22	\$16.00
1,205	\$90.70	\$22.50	331	1,085	5	(\$98.41)	\$113.20	\$14.79
898	\$81.48	\$0.00	247	966	4.6	(\$87.62)	\$81.48	-\$1.14
744	\$67.48	\$0.00	204	977	4.5	(\$88.57)	\$67.48	-\$16.09
789	\$71.56	\$0.00	217	567	2.7	(\$51.43)	\$71.56	\$20.14
956	\$86.72	\$0.00	262	434	2	(\$39.36)	\$86.72	\$47.35
11,009	\$938.19	\$72.87	3,022	10,500		(\$952.35)	\$1,011.06	\$88.71

Net-Zero Solar Customer (East or South-facing -- no peak backfeeding occurring) **PROPOSED**

Between 5pm-9pm	0.12747
All other	0.06487
Customer Charge	8.00000
Array Size (kW)	7
Backfeed Rate	0.04570
Peak Backfeed rate	0.10830

kWh	kWh 5-9pm	PV Prod	Sun-Hours	PV Credit	Billed Amount	Total Bill
888	244	543	2.5	(\$35.19)	\$80.84	\$53.65
838	230	490	2.5	(\$31.78)	\$76.75	\$52.97
745	205	868	4	(\$53.95)	\$69.14	\$23.19
726	199	1,008	4.8	(\$59.98)	\$67.57	\$15.59
760	209	1,172	5.4	(\$68.11)	\$70.34	\$10.23
1,136	312	1,176	5.6	(\$75.51)	\$101.18	\$33.67
1,324	364	1,215	5.6	(\$78.83)	\$116.67	\$45.85
1,205	331	1,085	5	(\$70.38)	\$106.91	\$44.53
898	247	966	4.6	(\$61.36)	\$81.71	\$28.35
744	204	977	4.5	(\$58.89)	\$69.05	\$18.16
789	217	567	2.7	(\$36.78)	\$72.74	\$43.96
956	262	434	2	(\$28.15)	\$86.45	\$66.30
11,009	3,022	10,500		(\$658.92)	\$999.36	\$436.44

Net-Zero Solar Customer (backfeeding portions during peak hour) PROPOSED

Between 5pm-9pm	0.12747
All other	0.06487
Customer Charge	8.00000
Array Size (kW)	7
Backfeed Rate	0.04570
Peak Backfeed rate	0.10830

kWh	kWh 5-9pm	PV Prod	PV Prod 5-9pm	PV Credit (off peak)	PV Credit On Peak	Sun-Hours	Billed Amount	Total Bill
888	244	543	-	(35.19)	-	2.5	\$80.84	\$45.65
838	230	490	-	(31.78)	-	2.5	\$76.75	\$44.97
745	205	868	43	(48.04)	(5.53)	4	\$69.14	\$15.56
726	199	1,008	101	(51.56)	(12.85)	4.8	\$67.57	\$3.17
760	209	1,172	176	(56.08)	(22.41)	5.4	\$70.34	-\$8.15
1,136	312	1,176	294	(56.10)	(37.48)	5.6	\$101.18	\$7.60
1,324	364	1,215	304	(59.12)	(38.73)	5.6	\$116.67	\$18.83
1,205	331	1,085	271	(52.79)	(34.58)	5	\$106.91	\$19.55
898	247	966	193	(47.81)	(24.63)	4.6	\$81.71	\$9.28
744	204	977	146	(48.28)	(18.67)	4.5	\$69.05	\$2.10
789	217	567	28	(34.94)	(3.61)	2.7	\$72.74	\$34.19
956	262	434	-	(28.15)	-	2	\$86.45	\$58.30
11,009	3,022	10,500	1,557	(549.84)	(198.48)		\$999.36	\$251.04

Utah Associated Municipal Power Systems

Kaysville City
May 2, 2017
(Revised)



UAMPS Overview

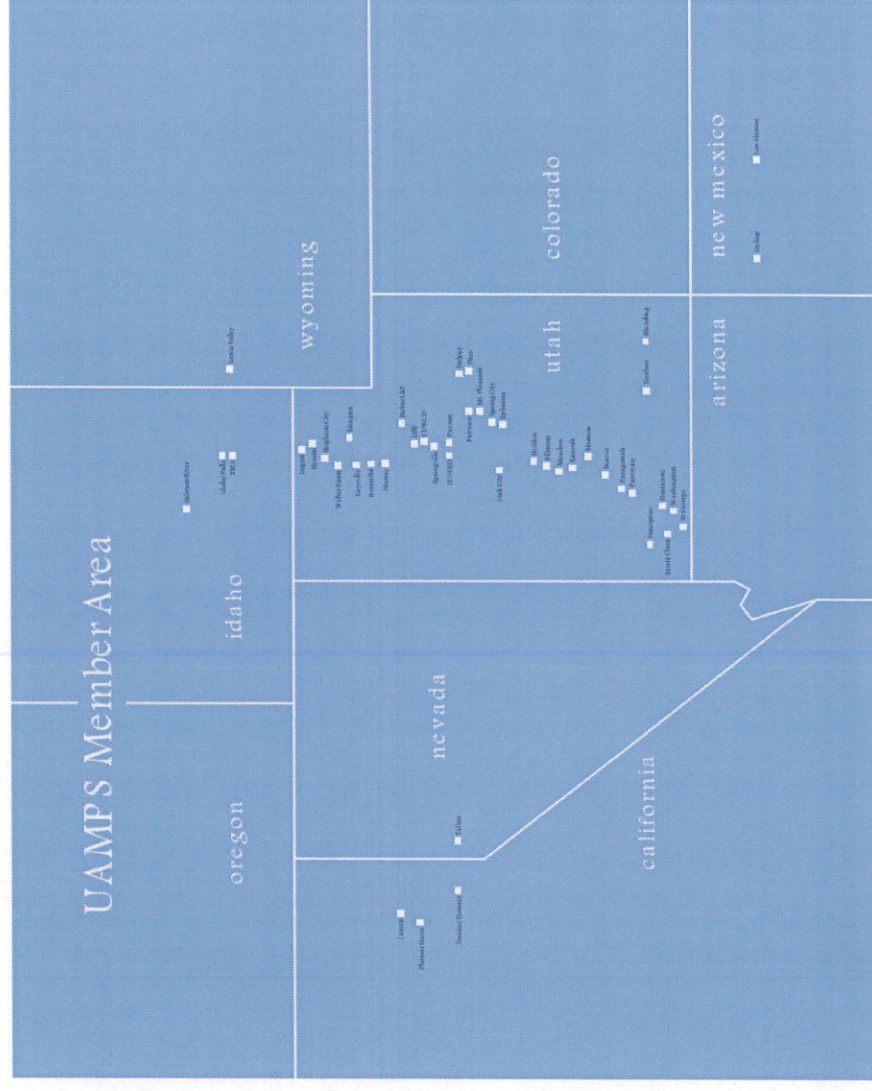
- Formed in 1980 under the Utah Interlocal Cooperation Act
- An energy services interlocal that provides electric services on a non-profit basis to its members
- Organized to develop, finance and operate projects for generation, transmission and energy services
- Project-based organization which currently operates 16 separate projects
- Projects provide services more economically and efficiently by providing economy of scale

UAMPS Overview (cont.)

- Each project operates independent from one another under the UAMPS umbrella
- Not an “all requirements provider” which means members are not required to purchase their resource needs from UAMPS
- Members determine whether to participate in projects. and are not obligated to participate in any particular project

UAMPS Overview (cont.)

- 46 members
- 6 states
 - California
 - Idaho
 - Nevada
 - New Mexico
 - Utah
 - Wyoming



UAMPS Projects

Resources

CRSP Project

Provo River

Hunter Project**

San Juan Project*

Payson Power Project (Nebo)*

Firm Power Supply Project

Pleasant Valley Wind

IPP Project

Natural Gas Project

Veyo Heat Recovery Project*

Horse Butte Wind Project*

Pool Project

Carbon Free Power Project

Transmission

Central-St. George Project*

Craig-Mona Transmission Project**

*Bonds-financed projects

**All bonds have been retired

Service

Resource Project

Resource Investigation

Energy Efficiency Programs

Government & Public Affairs Project

Federal Issues

State and Local Issues

Member Services Project

APPA Dues

IPSA Dues

OSHA Training

Battery Test Set

Power Factor Test Set

Pole Test Sets (3)

Hazard Hamlet

RP3

Mutual Aid

Mobile Generator

Washington Generators

Hurricane Generators



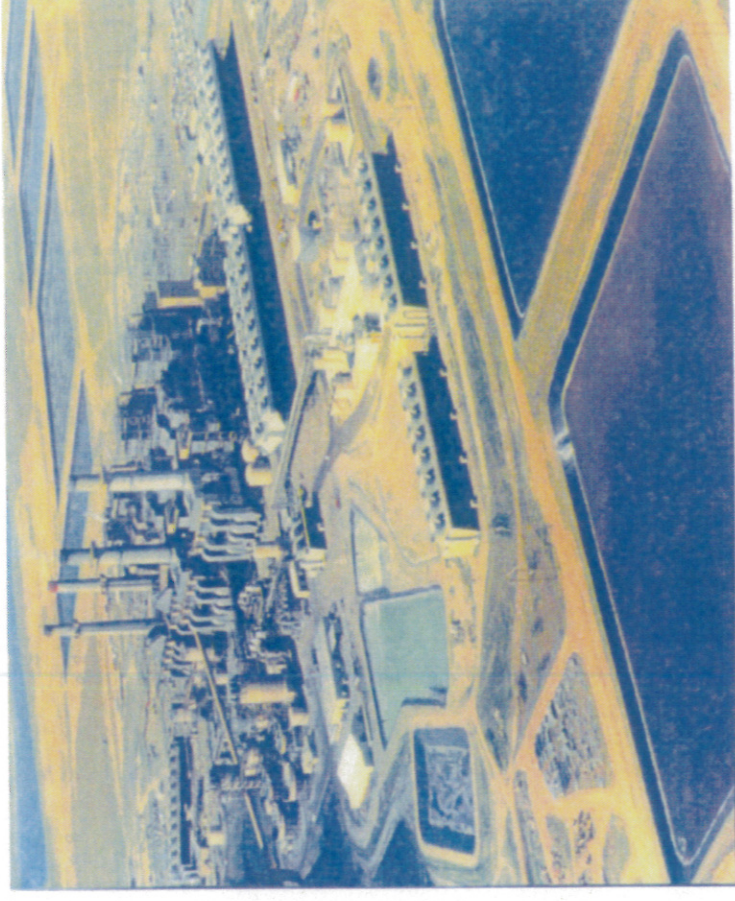
Hunter 2 Project

- First UAMPS project acquired in 1980
- Hunter 2 is a 446 MW coal fired generating unit located in Emery County, Utah
- Hunter 2 Project consists of 14.582% undivided ownership interest in the Hunter 2 unit providing 65 MW
- Hunter 2 has been in commercial operation since June 1980
- Hunter 2 is jointly owned by PacifiCorp, UAMPS and Desert Power
- Hunter 2 is operated by PacifiCorp pursuant to an Ownership and Management Agreement among the co-owners
- Current litigation may drive the retirement date due to economic impact of the EPA Federal Implementation Plan to install selective catalytic reduction
- Kaysville's Entitlement Share 8.7032% or 5,457 kW



San Juan Project

- San Juan Project was acquired in 1994
- San Juan Unit 4 is a 533 MW coal fired generating unit located near Farmington, New Mexico
- San Juan Project consists of a 7.028% undivided ownership interest in San Juan Unit 4 providing approximately 35 MW
- Unit 4 has been in commercial operation since 1979
- UAMPS participation agreement terminates in 2022 and the owners are unwilling to extend past 2022
- Kaysville's Entitlement Share 4.2857% or 1,500 kW



IPP Project

- The Intermountain Power Project (IPP) is owned by Intermountain Power Agency (IPA) and operated by the City of Los Angeles Department of Water (LADWP)
- IPP consists of two 900 MW coal fired generating units located in Delta, Utah currently planned to be converted to natural gas mid-2020
- Twenty-three of the UAMPS members (Utah Purchasers) entered into power sales contracts with IPA for an aggregate 14.040% entitlement (252.7 MW)
- Because the capability of IPP purchased by the members was in excess of their needs, they entered into an Excess Power Sales Agreement (EPSA) to sale their IPP power to four California Purchasers (LADWP, Burbank, Glendale and Pasadena)
- UAMPS' IPP Project administers for the benefit of the Utah Purchasers the call-back and put-back of IPP power.
- Kaysville's Plant Entitlement 0.739%



CRSP Project

- The Colorado River Storage Project (CRSP) (officially referred to as *the Salt Lake City Area Integrated Projects*) is owned by the United States of America and operated by United States Bureau of Reclamation
- CRSP consists of hydroelectric capacity and energy from Glen Canyon Dam, Flaming George Dam and other smaller projects in Utah, Wyoming, Colorado and New Mexico
- Each of the members have entered into an Integrated Contract for Electric Service with Western
- UAMPS acts as the single purchasing agent and schedules purchases of CRSP energy for the members
- Western is currently working on extending the contract 40 years
- Kaysville Entitlement Share
 - Winter Season 2.0306% or 2,573 kW
 - Summer Season 1.9384% or 1,661 kW



Firm Power Project

- The Firm Power Project was established to provide for the acquisition of firm power supplies from third parties
- The Firm Power Project agreements are master agreements that can accommodate multiple power supply transactions and provide flexible terms for the purchase and sale of firm capacity and energy
- UAMPS currently has one long term transaction with Iberdrola Renewables, Inc. to purchase 15.675 MW of wind generation from the Pleasant Valley (PV) Wind Energy Facility in Uinta County, Wyoming plus multiple forward market purchases
 - Contract terminates in 2028
 - Kaysville's Entitlement Share 19.1384% or 3,000 kW



Payson Project (Nebo Plant)

- The Payson Project is a 140 MW combined cycle, natural gas-fired generating facility located in Payson, Utah
 - 70 MW Minimum
 - 112 MW Sweet Spot
 - 140 MW Maximum
 - Economics change for each configuration
- The Payson Project includes approximately six miles of gas pipeline and ten miles of 138 kV and 46 kV transmission lines
- The Payson Project has been in been in commercial operations since June 2004
- The Payson Project is operated by UAMPS
- Kaysville's Entitlement Share 16.3287%



Horse Butte Wind Project

- The Horse Butte Project consists of UAMPS' right to purchase all of the output of a 57.6 MW wind generation
- The Facility is located in Bonneville County, Idaho and consists of 32 Vestas V100 1.8 MW Wind Turbine
- The Facility went commercial in August 2012
- The size of the Facility may be increased up to 99 MW
- UAMPS purchases all Facility output and environmental attributes pursuant to a Power Purchase Agreement with Horse Butte Wind LLC
- UAMPS has the option to purchase the Project from Horse Butte Wind LLC in 2018
- Kaysville's Entitlement Share 10.5243% or 6,062 kW



Veyo Heat Recovery Project

- The Veyo Project is a 7.8 MW heat recovery project located in southwestern Utah
- The Project consists of a heat recovery system that uses waste heat from the Kern River gas turbine compressors to heat thermal oil that serves as the heat source for the energy converter
- The Project is considered to be carbon-free, renewable-energy
- The Project was commissioned in May 2016, four months ahead of schedule
- The Project is operated by UAMPS
- Kaysville's Entitlement Share is 10.7821% or 841 kW



Government & Public Affairs Project

- The GPA Project was formed to allow UAMPS to protect members' interests by monitoring, influencing, suggesting legislation and educating governmental and regulatory agencies on a local, state and federal level



Member Services Project

- The Member Services Project was undertaken to address community needs
- The current services include: infrared camera, heat tracer gun, hazard hamlet, Power Factor Test Set, Pole Testers, Battery Test Set, OSHA training, APPA dues, IPSA dues, Platts subscriptions, and mutual aid agreements
- The Project owns a 1,600 kW mobile generator that is used to provide back-up, load control and emergency generation for the distribution systems of certain members
- Hurricane and Washington have used the Project to acquire and finance gas-fired generating units to provide peaking power and voltage support for their electric utility systems

Resource Project

- Through its Resource Project, UAMPS continually analyzes new projects and potential generating options to further procure long term, stable energy supplies for its members both demand-side and supply-side
- The staff conducts, analyses and studies of new power supply projects
- Upon completion of analysis and studies, the Resource Committee votes to solicit participation to form a project, each participant has the right to subscribe (to all, some or none) to at least their project allocation percentage. The participants also have the first right to take any unsubscribed allocation before non-Resource Project participants
- The criteria for screening new resources include cost, operations, reliability, transmission access and environmental impacts
- Criteria used, regardless of energy source (renewable or conventional) and are evaluate compared to a natural gas alternative

Resource Project (cont.)

- The Resource Project also includes efficiency programs that UAMPS administers on behalf of the members
- Conservation remains the least cost option to stretch energy supplies and avoid new energy development
- The Smart Energy Efficiency Programs include Home Energy Savings (appliance rebates), Cool Cash (evaporative cooling, central air conditioning, ductless heat pumps, heat pumps and gas furnaces), See Ya Later Refrigerator and Commercial Lighting

Resource Project (cont.)

- Example....
- Home Energy Savings Program (Rebate Program)
 - Members elect to participate
 - Customers go to www.uamps.com to determine eligible programs
 - Customers submit application to UAMPS within 90 days after date of purchase
 - UAMPS verifies the application parameters have been met
 - UAMPS pays incentive directly to customer within 45 days

Appliance Incentive Application
Home Energy Savings Program

How to receive your incentive:

1. Purchase a qualified product or service. For questions about what products or services qualify, visit: www.uamps.com or call: 1-888-365-1558.
2. Please complete all of the information requested on this form. Incomplete forms will be returned. Check out an example of a completed application with a sample receipt at: www.uamps.com to make certain your application form is complete.
3. Review and sign the acceptance of terms. Make a copy for your records.
4. Mail completed form with a copy of an itemized receipt attached to: **Home Energy Savings Program, 2825 East Cottonwood Parkway, Suite 200, Salt Lake City, UT 84121**

*For complete details about what needs to be included in your itemized receipt, please see the back of this form.

Electric Energy Partner:

Your Account Number:	
Name (on account):	Daytime phone ()
Installation address:	City State Zip
Mailing address:	City State Zip

Household information (required - data used to calculate energy efficiency)

Primary heat source	Dryer heat type	Water heater fuel	Cooling source
☐ Electric furnace	☐ Electric	☐ Electric	☐ Central air conditioner
☐ Electric heat pump	☐ Natural gas	☐ Natural gas	☐ Heat pump
☐ Natural gas furnace		☐ Propane	

Acceptance of terms

I hereby certify that all information is accurate including claims of customer and equipment information. I have read all terms and conditions on the reverse side of this form and acknowledge that UAMPS, in conjunction with its energy partners, may verify all the information provided.

Customer signature (required)

Date

Product Incentives	Incentive	Qty.	Model Number	Serial Number (required located inside of door or back of appliance)	Receipt
ENERGY STAR® Clothes washer MEF 1.7-1.99	(limit 1) \$50				☐
ENERGY STAR® Clothes washer MEF 2.0 or higher	(limit 1) \$75				☐
ENERGY STAR® Refrigerator	(limit 1) \$20				☐
ENERGY STAR® Dishwasher EF 0.6 or higher	(limit 1) \$20				☐
ENERGY STAR® Room air conditioner (limit 1)	(limit 1) \$30				☐
Electric water heater 40+ gallons (EF 0.9 or higher)	(limit 1) \$50				☐
ENERGY STAR® Lighting fixtures Incentive not to exceed purchase price	(limit 10) \$20				☐
ENERGY STAR® Ceiling fans	(limit 10) \$20				☐

To determine MEF or EF go to: www.ENERGYSTAR.gov.

Keep a copy for your records. Mail the completed form within 90 days of purchase to:

Home Energy Savings Program, 2825 East Cottonwood Parkway, Suite 200, Salt Lake City, UT 84121
1-888-365-1558 — Fax: 801-561-2687

0409 Your incentive check will be issued within 45 days of receipt of your completed and approved incentive application. Page 1 of 2

Appliance Incentive Check List
Home Energy Savings Program

How to receive your incentive:

How to receive your incentive:

1. Purchase a qualified product or service. For questions about what products or services qualify, visit: www.uamps.com or call: 1-888-365-1558.
2. Please complete all of the information requested on this form. Incomplete forms will be returned. Check out an example of a completed application with a sample receipt at: www.uamps.com to make certain your application form is complete.
3. Review and sign the acceptance of terms. Make a copy for your records.
4. Mail completed form with a copy of an itemized receipt attached to: **Home Energy Savings Program, 2825 East Cottonwood Parkway, Suite 200, Salt Lake City, UT 84121**

Itemized receipt should include:

- ☐ Retailer/Contractor name, address and phone number.
- ☐ Itemized listing of quantity, description, manufacturer model number and other identifying information as appropriate.
- ☐ Purchase date and price.
- ☐ Product installation date, if appropriate.

Your incentive check will be issued within 45 days of receipt of your completed and approved incentive application.

Terms and Conditions

Incentive Availability

UAMPS is administering this incentive program for its participating energy partners. Please reference the program website at: www.uamps.com or by calling 1-888-365-1558 to determine if your electric utility is participating in the program. All equipment must be new and have been purchased and installed prior to submitting an incentive application. It is required that equipment be purchased and installed on or after May 1, 2009. Applications must include all information requested. Failure to provide this information may result in the delay or denial of the incentive.

Qualifying Customers

Residential electric customers who purchase their electricity from a participating UAMPS energy partner qualify for this program.

Qualifying Equipment

Qualifying products and services may be found online at: www.uamps.com or by calling: 1-888-365-1558.

Application Details

UAMPS reserves the right to conduct random inspections to verify information provided on the application. If your application is selected for review, it will not be processed until the review is satisfactorily completed. Incentive qualifications and amounts are subject to change and termination at any time.

The customer hereby transfers to its electric utility all "Environmental Attributes" attributable to the Qualifying Equipment or its operations. Environmental Attributes include any and all credits, benefits, emissions reductions, offsets and allowances, however earned, resulting from the avoidance of the emission of any substance to the air, soil or water at or by the electric utilities generating facilities through the generation of energy or other savings or effects on account of the Qualifying Equipment. The customer will not claim ownership of any Environmental Attributes.

All incentives issued are in the form of checks not utility bill credits. UAMPS and its energy partners are not responsible if your dealer provides inaccurate information about the amount and/or conditions of the actual incentive and will not pay incentives for equipment that is mislabeled or misrepresented by dealers regarding incentive qualifications. Incentives are limited to one per qualifying household per equipment type except in the case of lighting fixtures and ceiling fans. A household may receive incentives on up to 10 qualifying lighting fixtures and ceiling fans.

Incentive applications must be submitted within 90 days of purchase.

Keep a copy for your records. Mail the completed form within 90 days of purchase to:

Home Energy Savings Program, 2825 East Cottonwood Parkway, Suite 200, Salt Lake City, UT 84121
1-888-365-1558 — Fax: 801-561-2687

0409 Your incentive check will be issued within 45 days of receipt of your completed and approved incentive application. Page 2 of 2

Weber Basin Water Conservancy District
Incentive Check

2825 East Cottonwood Parkway, Suite 200, Salt Lake City, UT 84121



NO:

Smart First National Bank, Attn: Bill Bader
3150 1000

DATE:

CHECK NUMBER:

CHECK AMOUNT:

PAY: FIVE HUNDRED FIFTY AND 50 / 100'S DOLLARS

TO THE ORDER OF:

JOHN SMITH
1234 ANYWHERE STREET,
SALT LAKE CITY, UTAH 84000

John Smith

NOT VALID 60 DAYS AFTER DATE OF ISSUE

12345 67890 234567890-6789 12345 67890

Weber Basin Water Conservancy District
Incentive Check



Utah Associated Municipal Power Systems
2825 East Cottonwood Parkway, Suite 200, Salt Lake City, UT 84121

AND ITS ENERGY PARTNER...

Weber Basin Water Conservancy District
Home Energy Savings Program



TO THE ORDER OF:

JOHN SMITH
1234 ANYWHERE STREET,
SALT LAKE CITY, UTAH 84000

Pool Project

- UAMPS acts as an agent for members to:
 - Scheduling
 - Marketing
 - Wheeling
 - Ancillary Services
- The members are not required to purchase their power and energy needs from UAMPS
- The output of the UAMPS projects are contractually required to be assigned to the pool
- The member may consign power resources owned or purchased by such member for inclusion in the Pool
- Power supplied by the Pool is priced according to whether the purchase/sales are “all-in cost , planned” or “unplanned”

Pool Project (cont.)

- Resources are allocated, based on Member's resource priority list, to Member's load
- Each member receives its entitlement share of the projects energy on an hourly basis, then in turn is billed those energy costs, including transmission and scheduling
- If the member's resource do not match their load, the additional resource deficits are provided by the Pool or any surplus resources are purchased by the Pool

Resource Integration

- Each hour, UAMPS schedules projects' output and makes purchases or sales to match members' aggregate load to the best overall economic benefit to all members
- Individual members' loads and resources are accounted for through the Pool
- In turn, members with excess resources are matched with those who are deficit resources on an hourly basis
- The dispatcher buy/sell for the next hour based on system parameters
 - Balancing
 - Shortage - long position
 - Unit availability
 - Transmission



POWER COMMISSION BOARD MEETING

MEETING MINUTES

May 2, 2017

1.

Kaysville City Power Commission Board held a special meeting beginning at 6:00 p.m. on Tuesday, May 2, 2017 followed by a regular Power Commission Board Meeting at 7:00 p.m. in the Council Room of the Kaysville City Municipal Center, 23 East Center Street, Kaysville, UT.

UAMPS Presentation

RESOURCE AVAILABILITY WITH UAMPS

Bruce Rigby introduced Jackie Coombs and Kelton Andersen from UAMPS (Utah Associated Municipal Power Systems). Jackie Coombs, Manager of Members Relations and Kelton Andersen, Director of Power Metrics. Jackie Coombs began with introducing what UAMPS is and gave an overview of what they do.

- Formed in 1980 under the Utah Interlocal Cooperation Act
- An energy services inter-local that provides electric services on a non-profit basis to its members.
- Organized to develop, finance and operate projects for generation, transmission and energy services.
- Project-based organization which currently operates 16 separate projects.
- Project provide services more economically and efficiently by providing economy of scale.
- Each project operates independent from one another under the UAMPS umbrella.
- Not an “all requirements provider” which means members are not required to purchase their resource needs from UAMPS.
- Members determine whether to participate in projects and are not obligated to participate in any particular project.
- 46 members
- **6 States**
 - California
 - Idaho
 - Nevada

New Mexico
Utah
Wyoming

- **Resources**

CRSP Project
Provo River
Hunter Project
San Juan Project
Payson Power Project (NEBO)
Firm Power Supply Project
Pleasant Valley Wind
IPP Project
Natural Gas Project
Veyo Heat Recovery Project
Horse Butte Wind Project
Pool Project
Carbon Free Power Project

- **Transmission**

Central-St. George Project
Craig-Mona Transmission Project

- **Service**

Resource Project

Resource Investigation
Energy Efficiency Programs

Government & Public Affairs Project

Federal Issues
State and Local Issues

Member Services Project

APPA Dues
IPSA Dues
OSHA Training
Battery Test Set
Power Factor Test Set
Pole Test Sets (3)
Hazard Hamlet
RP3
Mutual Aid
Mobile Generator
Washington Generators
Hurricane Generators

Jackie went over the projects that Kaysville specifically participates in:

- **Hunter 2 Project**
 - It was acquired in 1980
 - Kaysville's Entitlement Share 8.7032% or 5,457 kW
- **San Juan Project**
 - It was acquired in 1994
 - Kaysville's Entitlement Share 4.2857% or 1,500 kW
- **IPP Project**
 - It is owned by Intermountain Power Project
 - Kaysville's Plant Entitlement is 0.739%
- **CRSP Project**
 - The Colorado River Storage Project is owned by the United States of America and operated by United States Bureau of Reclamation
 - Kaysville Entitlement Share
 - Winter Season 2.0306% or 2,573 kW
 - Summer Season 1.9384% or 1,661 kW
- **Firm Power Project**
 - The Firm Power Project was established to provide for the acquisition of firm power supplies from third parties.
 - Kaysville's Entitlement Share is 19.1384% or 3,000 kW
 - Payson Project (Nebo Plant)
 - The Payson Project has been in commercial operations since June 2004
 - Kaysville Entitlement Share is 16.3287%
- **Horse Butte Wind Project**
 - The Horse Butte Facility went commercial in August of 2012
 - Kaysville's Entitlement Share is 10.5243% or 6,062 kW
- **VEYO Heat Recovery Project**
 - The Project was commissioned in May 2016
 - Kaysville's Entitlement Share is 10.7821% or 841 kW
- **Government and Public Affairs Project**
 - The GPA Project was formed to allow UAMPS to protect members' interest by monitoring, influencing, suggesting legislation and educating governmental and regulatory agencies on a local, state and federal level.
- **Member Services Project**
 - The Member Services Project was undertaken to address community needs.
 - The current Services include: Infrared camera, heat tracer gun, hazard hamlet, Power Factor Test Set, Poles Testers, Battery Test Set, OSHA training, APPA dues, IPSA dues, Platts subscriptions and Mutual Aid Agreements.

- The Project owns a 1,600 kW mobile generator that is used to provide back-up, load control and emergency generation for the distribution systems of certain members.
- Hurricane and Washington have used the Project to acquire and finance gas-fired generating units to provide peaking power and voltage support for their electric utility systems.

- **Resource Project**

- Through its Resource Project, UAMPS continually analyzes new projects and potential generating options to further procure long term, stable energy supplies for its members both demand-side and supply-side
- The staff conducts, analyses and studies of new power supply projects
- Upon completion of analysis and studies, the Resource Committee votes to solicit participation to form a project, each participant has the right to subscribe (to all, some or none) to at least their project allocation percentage. The participants also have the first right to take any unsubscribed allocation before non-Resource Project participants.
- The criteria for screening new resources include cost, operations, reliability, transmission access and environmental impacts.
- Criteria used, regardless of energy source (renewable or conventional) and are evaluate compared to a natural gas alternative.
- The Resource Project also includes efficiency programs that UAMPS administers on behalf of the members.
- Conversation remains the least cost option to stretch energy supplies and avoid new energy development
- The Smart Energy Efficiency Programs include Home Energy Savings (appliance rebates) Cool Cash (evaporative cooling, central air conditioning, ductless heat pumps, heat pumps and gas furnaces) See Ya Later Refrigerator and Commercial Lighting

- **Example.....**

- **Home Energy Saving Program (Rebate Program)**

- Members elect to participate
- Customers go to www.uamps.com to determine eligible programs
- Customers submit applications to UAMPS within 90 days after date of purchase
- UAMPS verifies the application parameters have been met
- UAMPS pays incentive directly to customer within 45 days

- **Pool Project**

- UAMPS acts as an agent for members to:
 - Scheduling
 - Marketing
 - Wheeling
 - Ancillary Services
- The members are not required to purchase their power and energy needs for UAMPS
- The output of the UAMPS projects are contractually required to be assigned to the pool
- The member may consign power resources owned and purchased by such member for inclusion in the Pool

- Power supplied by the Pool is priced according to whether the purchase/sales are “all-in cost” ,planned or unplanned
 - Resources are allocated, based on Member’s resource priority list, to Member’s load
 - Each member receives its entitlement share of the projects energy on an hourly basis, then in turn is billed those energy costs, including transmission and scheduling
 - If the member’s resource do not match their load, the additional resource deficits are provided by the Poll or any surplus resources are purchased by the Pool
- **Resource Integration**
 - Each hour, UAMPS schedules projects’ output and makes purchases or sales to match members’ aggregate load to the best overall economic benefit to all members
 - Individual members’ loads and resources are accounted for through the Pool
 - In turn, members with excess resources are matched with those who are deficit resources on an hourly basis
 - The dispatcher buy/sell for the next hour based on the system parameters
 - Balancing
 - Shortage-long position
 - Unit availability
 - Transmission

This is a condensed edition of the UAMPS Presentation. For more Information please go to the website and access the presentation from UAMPS.

POWER BILL DISCUSSION

Kelton Andersen presented how the bill from UAMPS is processed. The presentation showed a copy of the bill and how it is read. The bill is complicated and needs to be observed as he points out the particular areas and issues. This presentation is provided for viewing on the video and audio feed of the May 2, 2017 meeting.

UAMPS CONFERENCE

UAMPS Conference is a way to educate members, including Power Boards, City Council Members and Mayors. It is family friendly by holding activities for attending family members. They will be having excursions and dinner banquets for family members while attendees are in meetings.

The conference will be held:

August 13-16 2017

The Village at Squaw Valley

Olympic Valley, California

City Council Member Lee made a motion to adjourn the special meeting and to start the regular meeting. Board Member John Loveless seconded the motion.

The Motion passed unanimously

POWER COMMISSION BOARD MEETING

Present: Chairman Brok Thayn, Board Member Jordan Stephensen, Board Member Patrick Hein, Board Member John Loveless, Board Member Alan Farnes, City Council Member Susan Lee

Other Present: Power Superintendent Gary Hatch, Resource and Service Manager Bruce Rigby, Administrative Assistant Stacie Harward, Jackie Coombs-UAMPS, Kelton Andersen-UAMPS, Kaysville City Financial Director Dean Storey, John Guerra, Deb Henry, Gary Petersen, Jeff Dixon-CHP Working Group

Opening Provided by Chairman Brok Thayn

Prayer given by Board Member Jordan Stephenson

BILLING SOFTWARE

Mr. Dean Storey, Financial Director for Kaysville City proceeded to explain the process of the billing software. Board Member John Loveless was involved with the Solar Power Customer and how the credit is credited to the customer. John would like to see the credit be calculated and credited back on a monthly basis. Mr. Dean Storey was asking "What specific information the Board is looking for?" He was willing to answer the questions that related to the billing software. Council Member Lee was looking for specific information relating to how and why the solar net metering is hand calculated. Dean Storey explained that in a billing cycle the carry-over is the issue. The two readings involved in the net metering is combined and they are able to arrive at cost. This is done every month. The software sees the readings up to a certain point and after that calculates it at a different rate. This is why it is hand calculated so the correct rate is charged and credited to the Solar Power Customer. Caselle Billing Software is the program that is currently being used for calculating the bills. This Particular software is used with numerous utilities throughout the State of Utah and throughout the Country. Other Utilities use two meters. The City looked at the meters we use and have come up with ideas and solutions to make our meters workable. Energy Delivered-Energy Received- net those together and come up with a cost. The City would like to calculate the bills in a billing cycle and not in a carry-over situation. Bruce Rigby would like to wait. Reason being until we can come up with a true value of Solar and being able to change our Net Metering Agreement all at the same time. The Solar customer will be charged the delivery at retail rate and everything received at the value of Solar which will be decided by the Power Commission Board/ City Council. New Meters will need to be ordered once this has been decided upon. For the moment the meters we have installed now can be reprogrammed to reflect this change. Chairman Thayn was wondering if a check would be sent to the solar customer every month. Dean Storey said that there will be a credit on the bill for that customer. The bill will reflect either a Credit or a charge. The credit then can be used toward other utility costs for that month (City Bill). This Item will be discussed at a further meeting once all the data has been collected. Smart Meters are still being discussed and looked at. More Information will be forthcoming in future meetings.

REGULATORY ASSISTANT PROJECT TRAINING

Meeting will be held May 11, 2017. 1:00-5:00 P.M in the City Council Room. Arrangements have been made for the room to be available. Meeting is open and encouraged by the public to attend.

Jordan Stephenson made a motion to approve the meeting
Second be Council Member Lee
The Motion passed unanimously

SOLAR CLASS OUTLINE

Board Member Loveless began the discussion about the need for the customer to take a solar class when installing a solar power system. He would like to inform the consumer what solar can and cannot do. Also he would like to see some education for the customer on what the salesman is telling them. So that they can make a more informed decision. Where the panels should be placed for optimal benefit. Information on the costs of the material compared to the installation of the panels. Section on Energy Efficiency in the home. Giving examples of other Energy Efficiency options such as Electric Vehicles. Section on Battery Storage. There is 14 topics and giving a good overview of Solar Power. It was suggested that these classes be available on-line and be no longer than 10 Minutes. Board Member Loveless would like to see it be required. Board Member Stephenson suggested that the customer be encouraged that they watch these on-line episodes. Board Member Loveless would like to see that the Solar Power Customer sign a form that the City is not held liable that the residents Solar Power is under performing to their expectations. Bruce Rigby made the comment that this really shouldn't be mandatory and that the residents/customers should make that choice on their own and that we really can't mandate that they come to a class or watch it online. This is something that should be made available to them. It will be suggested to the resident to watch the online videos when they have a question. It will save time on the City Staff part to be able to suggest this option. Bruce Rigby would like to see a part about the how the billing process works, how the meter works and the different components to the meter. Bruce will also make a list of frequently asked questions and answers. Chairman Thayne commented that Heber City Power and Light has a mandatory requirement that the customer attend a class. Other cities require that the installer attend a mandatory city provided class. Suggestions for further discussions and if they are mandatory or optional:

Value the Power Grid still provides-optional

Rate Scale Orientation-Optional

Type of Solar Panels-Optional

Type of Invertors-Optional

Solar Installation- Cost of material and installation Costs-Mandatory

The consensus is that the topics be presented on-line and that the customer be directed to them for more in-depth information. The City needs to remind the resident that the city is not held liable or suggesting they buy from a particular vendor. There needs to be a disclaimer that the city is not responsible for the choices that the consumer makes. It's their choice exclusively.

OTHER DISCUSSIONS ITEMS FOR UPCOMING MEETINGS

Rate Increase Model that Board Member Stephensen has created.

Work Session has been scheduled for May 16th, 2017 at 12:00 P.M. to be held at Hunt Electric 1920 Alexander Street, West Valley Utah. The agenda item to be discussed is Net Metering and customer charge and the presentation and recommendation to the City Council in June.

Bruce Rigby pointed out that a study has already been done and maybe that they should be looking at that study. Bruce Rigby suggested that Board Member Stephensen contact UFS about the study. The study is available in the packet that was provided to the Board.

General Introduction to finding value of solar.

APPROVAL OF MINUTES

Chairman Brok Thayn made the Motion to approve the minutes of April 4, 2017
Board Member Alan Farnes seconded the motion.

The motion passed unanimously

CALL TO PUBLIC

Gary Petersen asked about the \$13.00 charge and if that is only for Solar Power customers. Board Member Hein informed him that the charge would be for every customer.

Jeff Dixon with CHP Working Group. Wanted to let the group know about his company. Co-generation with power companies and raise awareness. General Introduction to finding value with co-generation. He would like to introduce the concept of his company. He would like to have the opportunity to be put on a future agenda for a meeting.

Power Board Commission meeting for July will be cancelled due to the 4th of July Holiday.
Re-convene in the Month of August.

ADJOURNMENT

Council Member Lee made the motion for adjournment at 8:15 p.m.
Board Member Hein seconded the motion and passed unanimously.



MEETING NOTICE AND AGENDA

Notice is hereby given that the Kaysville City Power Commission will hold a regular meeting on Tuesday, June 6, 2017 starting at 7:00 p.m. in the Police Station Conference Room 80 North Main Street, Kaysville, Utah. NOTE: Temporary Venue Change (Due to a Special City Council Meeting in the City Council Room at City Hall).

The agenda shall be as follows:

1. Opening Ceremonies.
2. Model Review.
3. Solution Presentation
4. Other Discussion Items for Upcoming Meetings.
5. Approval of Minutes.
6. Call to the Public.
7. Adjournment.

Kaysville City is dedicated to a policy of non-discrimination in admission to, access to, or operations of its programs, services or activities. If you need special assistance due to a disability, please contact the Kaysville City Offices at (801) 546-1235.

I hereby certify that I posted a copy of the foregoing Notice and Agenda at City Hall and emailed copies to media representatives on March 1, 2017.

Stacie Harward

Stacie Harward
Administrative Assistant
Kaysville City Power Department