Oregon Department of ENERGY

HB 2616 Rule Making

10/11/19
HB 2618 Draft Rules Discussion

Proposed Business Process

1. Program Sign up
2. Reservation Request
3. Reservation Approval
4. Rebate Request
5. Rebate Approval
THANK YOU

- Oregon Stakeholders
- Industry Stakeholders
- Energy Trust of Oregon
- Oregon Housing and Community Services
- Oregon Solar Energy Industries Association
RATE CONSIDERATIONS

Statutory Requirements
• 20 Year System Production
• Market Conditions
• Preferences for Low or Moderate income and Low Income Service Providers

Additional Considerations
• Geographic Distribution?
• Roles and Objectives of Overlapping Programs?
• Technology Preferences?
• Quantity of Projects
Rate Considerations

Market Conditions

Size Distribution and Average Cost of Residential PV Systems in Oregon

- System Size (kWdc)
- Percentage of Market (Columns)
- $/Watt (Lines)

- 2017 - Count of DC Capacity (kilowatts)
- 2018 - Count of DC Capacity (kilowatts)
- 2019 - Count of DC Capacity (kilowatts)
- 2017 - Average of $/Watt
- 2018 - Average of $/Watt
- 2019 - Average of $/Watt
Rate Considerations

Market Conditions

PV System Size Distribution in the RED Grant Program

Cost and Grant Distributions in the RED Grant Program

Average Request
Average of Cost
Average Grant Issued

Program Year

Average Request
Average of Cost
Average Grant Issued

Cost $/Watt

Program Year

$- $5.00 $10.00 $15.00 $20.00 $25.00 $30.00 $35.00 $40.00

Percent of Program

0.00% 10.00% 20.00% 30.00% 40.00%

PV System Size (kWdc)

16-21 31-36 56-61 91-96 126-131 141-146 196-201

2017 2018 2019
RATE CONSIDERATIONS

Market Conditions

Percentage of Residential Battery Market by Storage Capacity (kWh)

- kWh Storage: 2.376, 2.4, 7.5, 9.6, 9.8, 10, 10.1, 13.5, 14, 16, 20.3, 21.4, 27, 28.8, 40.5, 54
- Percent of Market: 0.00%, 2.376, 2.4, 7.5, 9.6, 9.8, 10, 10.1, 13.5, 14, 16, 20.3, 21.4, 27, 28.8, 40.5, 54

Total

OREGON DEPARTMENT OF ENERGY
# Rate Considerations

## Rate Proposals

### Residential Rate Proposal
- **Incentive Rate**: $0.20
- **Average Solar Incentive**: $1,532
- **Average system Size**: 7.66kWdc
- **20 year $/kWh rebate**: 0.008

### LMI Residential Rate Proposal
- **Incentive Rate**: $1.80
- **Average Solar Incentive**: $5,000
- **Average system Size**: 2.7kWdc
- **20 year $/kWh rebate**: $0.083

### Residential Rate Proposal
- **Incentive Rate**: $0.50
- **Average Solar Incentive**: $3,831
- **Average system Size**: 7.66kWdc
- **20 year $/kWh rebate**: 0.021

### Low Income Service Provider Rate Proposal
- **Incentive Rate**: $0.75
- **Average Solar Incentive**: $30,000
- **Average system Size**: 65kWdc
- **20 year $/kWh rebate**: 0.018